STIC Search Report
EIC 2600

STIC Database Tracking Number: 134981

TO: Kevin Siangchin
Location: CPK1 4C39
Art Unit: 2623
Thursday, October 14, 2004

Case Serial Number: 09/974898

From: Pamela Reynolds
Location: EIC 2600
PK2-3C03
Phone: 306-0255

Pamela.Reynolds@uspto.gov

Search Notes

Dear **Kevin Siangchin**

Please find attached the search results for 09974898.   I used the search strategy I emailed to you to edit,
which you did. I searched the standard Dialog files, IBM TDBs, IEEE, DTIC, Proquest, the wayback
machine, and the internet.

If you would like a re-focus please let me know.

Thank you.

SEARCH REQUEST FORM

Scientific and Technical Information Center

(handwritten top left: Jan By Friday, 23)

Requester's Full Name_ Kevin Siangchih _____ Examiner #: 80159 Date: 10-13-04

Art Unit: 2623 Phone Number 305 - 7569 _____ Serial Number: 10-13-2004 09 974 898

Mail Box Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

PTC1 4C39

If more than one search is submitted, please prioritize searches in order of need.
****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: ____10-13-2004____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

(handwritten notes:)
Kiosk — ATM machine person's face   Stored images — template

& claim 24 — "not suitable" → not acceptable doesn't match any registered img

no match → if last photo uses motion detection photos   for id

****

STAFF USE ONLY	**Type of Search**	**Vendors and cost where applicable**
Searcher: Pamela Reynolds	Sequence (#)_____	STN _____
Searcher Phone #: 806-0255	AA Sequence (#)_____	Dialog ___✓___
Searcher Location: PK2 3C03	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: 10-14-04	Bibliographic ✓	Dr.Link _____
Date Completed: 10-14-04	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: .10	Fulltext ✓	Sequence Systems _____
Clerical Prep Time: _____	Patent Family ✓	WWW/Internet ✓
Online Time: .20	Other _____	Other (specify) ✓ Wayback

Set	Items	Description
S1	875887	FACE?? OR VISAGE?? OR FACIAL(3N)FEATURE?
S2	3230755	IMAGE? OR PHOTO OR PHOTOGRAPH? OR PICTURE?
S3	223300	S2 AND (PERSON?? OR INDIVIDUAL? OR EMPLOYEE??)
S4	40433	S3 AND (CAPTUR? OR DETECT? OR RECEIV? OR TAKE)
S5	1181281	CHECKPOINT OR SECURITY()CHECK? OR ENTER? OR EXIT? OR ENTRA-NCE
S6	1631184	ROOM OR BUILDING OR DOORWAY
S7	15679	KIOSK?? OR (ATM OR TELLER)(3N)MACHINE?
S8	14274	(SENSING OR SENSES OR SENSOR? OR DETECT?) AND (MOTION?? OR MOVEMENT?? OR MOVING) AND (PERSON?? OR INDIVIDUAL? OR EMPLOYE-E??)
S9	2391	S8 AND (APPROACH? OR WALK?)
S10	260321	BUTTON? OR TOGGLE OR LATCH OR SWITCH OR KEYPAD OR (KEY OR -NUMBER)()(PAD OR PANEL) OR NUMBERPAD
S11	66915	(PUSH OR PRESS OR ACTIVAT OR INITIAL OR OPERAT?) AND S10
S12	296522	CAMERA??
S13	3545	(SNAP??? OR TAKE??)(1N)(PICTURE OR PHOTO OR PHOTOGRAPH)
S14	4752	(COMPAR? OR MATCH? OR CORRESPOND? OR CORRELAT?) AND S8
S15	1309030	TEMPLATE? OR STORED OR STORAGE OR REGISTRATION OR MEMORI?ED
S16	63538	(PLURAL? OR MANY OR SEVERAL OR NUMEROUS OR MULTI OR MULTIP-LE)(3N)S2
S17	604	AU=(MIICHI, K? OR IWAO, H? OR MIICHI K? OR IWAO H?)
S18	102	S4 AND S11
S19	20	S18 AND (S5 OR S6 OR S7)
S20	1	S19 AND S14

```
S21        0    S9 AND S13
S22      883    S8 AND S5:S7
S23      234    S22 AND (CAPTUR? OR DETECT? OR RECEIV? OR TAKE) AND S2
S24       11    S23 AND (COMPAR? OR MATCH? OR CORRESPOND? OR CORRELAT?) AND
                (TEMPLATE? OR STORED OR STORAGE OR REGISTRATION OR MEMORI?ED)
S25        8    S24 AND PY=2001:2004
S26        3    S24 NOT S25
S27        3    RD S26 (unique items)
S28        0    S7 AND S13 AND S10
S29       72    S13 AND S10
S30       32    S29 AND S12
S31        7    S30 AND S15
S32        7    S31 NOT S24
S33        6    RD S32 (unique items)
S34      379    S5 AND S8
S35      108    S34 AND S4
S36        7    S35 AND (COMPAR? OR MATCH? OR CORRESPOND? OR CORRELAT?) AND
                (TEMPLATE? OR STORED OR STORAGE OR REGISTRATION OR MEMORI?ED)
S37        0    S36 NOT (S31 OR S24)
S38       34    S4 AND S7
S39        1    S38 AND S11
S40        0    S39 NOT PY=2001:2004
S41     3996    (S5 OR S6) AND S11
S42        5    S41 AND S13
S43        0    S42 AND (COMPAR? OR MATCH? OR CORRESPOND? OR CORRELAT?) AND
                (TEMPLATE? OR STORED OR STORAGE OR REGISTRATION OR MEMORI?ED)
S44        4    S42 NOT PY=2001:2004
S45        4    RD S44 (unique items)
S46        3    S17 AND S3
S47        3    RD S46 (unique items)
```

01840324   ORDER NO: AADAA-I3017731
Hand tracking, finger identification, and chordic manipulation on a multi-touch surface
   Author: Westerman, Wayne Carl
   Degree: Ph.D.
   Year: 1999
   Corporate Source/Institution: University of Delaware (0060)
   Source: VOLUME 62/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
             PAGE 2890.   333 PAGES
   ISBN: 0-493-28162-2

     ...identifying multiple finger and palm contacts as hands approach,
touch, and slide across a proximity- **sensing** multi-touch surface (MTS).
Though MTS proximity **images** exhibit special topological characteristics
such as absence of background clutter, techniques such as bootstrapping
from...

     ...overcome the invisibility of structures linking fingertips to palms.
Context-dependent segmentation of each proximity **image** constructs and
parameterizes pixel groups **corresponding** to each distinguishable surface
contact. Path-tracking links across successive **images** those groups which
correspond to the same hand part, reliably **detecting** touchdown and
liftoff of **individual** fingers. Combinatorial optimization algorithms use
biomechanical constraints and anatomical features to associate each
contact's...

     ...more advanced devices for bimanual and high degree-of-freedom (DOF)
manipulation have failed to **enter** the mainstream due to awkward
integration with text entry devices. This work introduces a novel input
integration technique which reserves synchronized **motions** of multiple
fingers on the MTS for multi-DOF gestures and hand resting, leaving
asynchronous...

     ...taps on the MTS to be recognized as typing on a QWERTY key layout. The
operator can then **switch** instantaneously between typing and several
4-DOF graphical manipulation channels with a simple change in hand
configuration. This integration technique depends upon reliable **detection**
of synchronized finger touches, extraction of independent hand translation,
scaling, and rotational velocities, and the aforementioned finger and hand
identifications. The MTS optimizes ergonomics by eliminating redundant
pointing and homing **motions** , minimizing device activation force without
removing support for resting hands, and distributing tasks evenly over...
?

27/3,K/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC

6594802   INSPEC Abstract Number: B2000-06-6135E-132, C2000-06-5260B-420
   Title: **Automatic** detection **and tracking of human heads using an active stereo vision system**

   Author(s): Cheng-Yuan Tang; Zen Chen; Yi-Ping Hung
   Author Affiliation: Inst. of Comput. Sci. & Inf. Eng., Nat. Chiao Tung Univ., Hsinchu, Taiwan

   Title: **Automatic** detection **and tracking of human heads using an active stereo vision system**
   Abstract: A head tracking algorithm for automatically **detecting** and tracking human heads in complex backgrounds is proposed. By using an elliptical model for the human head, our maximum likelihood (ML) head **detector** can reliably locate human heads in **images** having complex backgrounds and is relatively insensitive to illumination and rotation of the human heads. Our head **detector** consists of two channels: the horizontal and the vertical channels. Each channel is implemented by multiscale **template** **matching** . Using a hierarchical structure in implementing our head **detector** , the execution time for **detecting** the human heads in a 512*512 **image** is about 0.02 second in a Sparc 20 workstation (not including the time for **image** acquisition). Based on the ellipse-based ML head **detector** , we have developed a head tracking method that can monitor the **entrance** of a **person** , **detect** and track the **person** 's head, and then control the stereo cameras to focus their gaze on this **person** 's head. In this · method, the ML head **detector** and the mutually-supported constraint are used. to extract the **corresponding** ellipses in a stereo **image** pair. To implement a practical and reliable face **detection** and tracking system, further verification using facial features, such as eyes, mouth and nostrils, may be essential. The 3D position computed from the centers of the two **corresponding** ellipses is then used for fixation. An active stereo head has been used to perform...
   ...Descriptors: **motion** estimation...

...stereo **image** processing
   Identifiers: automatic **detection** ; ...

...maximum likelihood **detector** ; ...

...multiscale **template** **matching** ; ...

...stereo **image** pair...

...face **detection** ;

27/3,K/2   (Item 1 from file: 34)
DIALOG(R)File   34:SciSearch(R) Cited Ref Sci

08651090   Genuine Article#: 312QX   No. References: 40
Title: Automatic detection **and tracking of human heads using an active**
     stereo vision system
Author(s): Tang CY; Chen Z; Hung YP   (REPRINT)
Corporate Source: ACAD SINICA,INST INFORMAT SCI/TAIPEI 115//TAIWAN/
     (REPRINT); ACAD SINICA,INST INFORMAT SCI/TAIPEI 115//TAIWAN/; NATL
     CHIAO TUNG UNIV,INST COMP SCI & INFORMAT ENGN/HSINCHU 30050//TAIWAN/
Journal: INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL
     INTELLIGENCE, 2000, V14, N2 (MAR), P137-166
ISSN: 0218-0014   Publication date: 20000300
Publisher: WORLD SCIENTIFIC PUBL CO PTE LTD, JOURNAL DEPT PO BOX 128 FARRER
     ROAD, SINGAPORE 912805, SINGAPORE
Language: English   Document Type: ARTICLE   (ABSTRACT AVAILABLE)

Title: Automatic detection **and tracking of human heads using an active**
     stereo vision system
Abstract: A new head tracking algorithm for automatically **detecting** and
     tracking human heads in complex backgrounds is proposed. By using an
     elliptical model for the human head, our Maximum Likelihood (ML) head
     detector can reliably locate human heads in **images** having complex
     backgrounds and is relatively insensitive to illumination and rotation
     of the human heads. Our head **detector** consists of two channels: the
     horizontal and the vertical channels. Each channel is implemented by
     multiscale **template** **matching** . Using a hierarchical structure in
     implementing our head **detector** , the execution time for **detecting**
     the human heads in a 512 x 512 **image** is about 0.02 second in a Spare
     20 workstation (not including the time for **image** acquisition). Based
     on the ellipse-based ML head **detector** , we have developed a head
     tracking method that can monitor the **entrance** of a **person** , **detect**
     and track the **person** 's head, and then control the stereo cameras to
     focus their gaze on this **person** 's head. In this method, the ML head
     detector and the mutually-supported constraint are used to extract the
     corresponding ellipses in a stereo **image** pair. To implement a
     practical and reliable face **detection** and tracking system, further
     verification using facial features, such as eyes, mouth and nostrils,
     may be essential. The 3D position computed from the centers of the two
     corresponding ellipses is then used for fixation. An active stereo
     head has been used to perform...
...Identifiers--HUMAN FACE **DETECTION** ; **MOTION** ; EXTRACTION; OBJECTS

 27/3,K/3   **(Item 1 from file: 35)**
DIALOG(R)File 35:Dissertation Abs Online

01835782   ORDER NO: AADAA-INQ59702
Facial expression analysis and synthesis for model based coding
   Author: Yin, Lijun
   Degree: Ph.D.
   Year: 2000
   Corporate Source/Institution: University of Alberta (Canada) (0351)
   Source: VOLUME 62/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
             PAGE 2389. 142 PAGES
   ISBN: 0-612-59702-4   ʕ

     The growing interest in video communication in areas such as
education, **entertainment** , and business (videoconferencing) makes video

compression an inexhaustible research topic. The greater the prior knowledge of objects there is in the **image** explored, the less the amount of information to be transmitted. Model-based coding is just...

...a new approach to automatically generate a 3D facial model is presented, in which an **individual** 3D facial model is constructed by fitting a generic head model to front and side views of a **person** 's head.
(2) Facial feature shape **detection** : a color-based deformable **template** feature **detection** with active tracking is proposed. The method is the first attempt to incorporate the facial feature **detection** with tracking by an active camera. (3) Physics-based coarse-to-fine model adaptation...

...tracking the facial expression accurately. There are two steps consisting of physics-based dynamic mesh **matching** and energy-oriented mesh fitting. This method overcomes the convergence problem of the numerical solution for the elastic **motion** . (4) Active texture **detection** , compression, and synthesis for producing a realistic face: a partial active texture up date scheme...
?

12337633   Genuine Article#: 755EM   No. References: 5
Title: A simple way to take pictures during endoscopic procedures
Author(s): Truzzi JC (REPRINT) ; Bruschini H; Simonetti R; Andreoni C;
    Ortiz V; Srougi M
Corporate Source: Univ Fed Sao Paulo,Div Urol,Sao Paulo//Brazil/ (REPRINT);
    Univ Fed Sao Paulo,Div Urol,Sao Paulo//Brazil/
Journal: JOURNAL OF UROLOGY, 2004, V171, N1 (JAN), P327-328
ISSN: 0022-5347   Publication date: 20040100
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
    19106-3621 USA
Language: English   Document Type: EDITORIAL MATERIAL   (ABSTRACT AVAILABLE
)

...Abstract: We describe a new method of taking pictures from endoscopic
    images using a digital photo **camera** coupled to the endoscopic lens
    without an adapter.

    Materials and Methods: We used a digital **camera** with 3.3
    megapixel resolution and 6 X optical zoom. The **camera** was coupled to
    the endoscopic lens with no special adapter. The image was accompanied
    through the LCD (liquid crystal display) visor, and the **picture** was
    taken with the flash **button** on and with no macro resource. The image
    was then enlarged by optical and digital zoom before being easily
    stored in photo files at the personal computer.

    Results: The quality of the photos obtained by...

...method was at least similar to that of traditional photos, and the data
    were promptly **stored** .

    Conclusions: We describe a simple method of taking pictures from
    endoscopic images with the additional...

00627145   01MH04-002
  Digital camera **shootout -- How many MacHomies does it take to** snap a
picture ?
  Brundage, Sandy
  MacHome , April 1, 2001 , v9 n4 p18-20, 3 Page(s)
  ISSN: 1074-0392
  Company Name: Canon; Kodak; Nikon; Olympus
  Product Name: Canon PowerShot S100; Kodak DC 3400; Nikon CoolPix 880;
Olympus D-360L

  Digital camera **shootout -- How many MacHomies does it take to** snap a
picture ?
  Presents a buyers' guide to four digital **cameras** and evaluates them to
see if they can be used straight from the box with no instructions.
Cameras discussed include: PowerShot S100 ($599), from Canon, controls
were confusing yet it was compact with...

... really intuitive; and the D-360L ($299), from Olympus, was difficult to

figure out the **buttons** yet a scroll down screen allowed the user to look at saved images easily. Says...

...no clear winner. Says it is important to know the look and feel of a **camera** when selecting the best one so it is important to go to the store for some hands-on time with the **cameras** before selecting one for purchase. Defines terms such as megapixel, digital zoom, optical zoom, resolution, **storage** media, and flash modes. Includes five photos and one sidebar. (bjp)
        Descriptors: Digital **Camera** ;   User Interface

33/3,K/3   (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
(c) 2003 EBSCO Pub. All rts. reserv.

00420898   96MA04-410
        Polaroid enters digital camera **market with flash -- The PDC-2000 produces high-quality images, but there are some problems to work around**
        Fraser, Bruce
        MacWEEK , April 29, 1996 , v10 n17 p33-34, 2 Page(s)
        ISSN: 0892-8118
        Company Name: Polaroid
        Product Name: Polaroid PDC-2000

        Polaroid enters digital camera **market with flash -- The PDC-2000 produces high-quality images, but there are some problems...**
        Presents a favorable review of the PDC-2000 ($3,695) digital **camera** from Polaroid Corporation of Cambridge, MA (617, 800). Reports that the PDC-2000 is an auto-focus, auto-exposure point-and-shoot **camera** with a fixed lens. Features the ability to capture images at 800-by-600 or 1,600-by-1,200 resolution. Remarks that the size and shape of the **camera** , as well as its basic controls, make it easy to use. Calls its captured images ``exceptionally clean,'' with very little loss of color, as is often found with digital **cameras** . However, complains about its inability to recognize the on/off **switch** as well as its poorly designed viewfinder. Criticizes its lack of a capture preview and its **storage** delay when a **picture** is **taken** . Concludes that it is ``a remarkable piece of work.'' Overall rating: four out of five...
        Descriptors: Digital **Camera** ;   Image Processing;   Hardware Evaluation;
        Photography;   Hardware Review

33/3,K/4   (Item 1 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
(c) 2004 ProQuest Info&Learning. All rts. reserv.

07467495   SUPPLIER NUMBER: 441472221
Photo Services Cheaper for the Holidays
Musgrove, Mike
Washington Post, p F.07
Nov 9, 2003
ISSN: 0190-8286   NEWSPAPER CODE: TWP
DOCUMENT TYPE: Feature; Newspaper article
LANGUAGE: English   RECORD TYPE: ABSTRACT

...ABSTRACT: snapfish.com) and Kodak-owned Ofoto (www.ofoto.com) -- each offers free Web space, where **picture** - **takers** can park photos for friends and family to see. Each service lets Web surfers use the **storage** space in the hope that, when they want some prints of that birthday party, they'll then click on the "order prints" **button** and break out the credit

card.   A single 4-by-6 print cost around 49...

...DESCRIPTORS: Digital **cameras** ;

 33/3,K/5   (Item 2 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
(c) 2004 ProQuest Info&Learning. All rts. reserv.

05495726
Not exactly picture perfect Kodak digital cameras   **among best around but**
  very expensive
Garfinkel, Simson L
Boston Globe, Sec D, p 4, col 2
 Apr 8, 1999
 ISSN: 0743-1791   NEWSPAPER CODE: BG
 DOCUMENT TYPE: Product Review-Comparative; Newspaper
 LANGUAGE: English   RECORD TYPE: ABSTRACT
 LENGTH: Long (18+ col inches)

Not exactly picture perfect Kodak digital cameras **among best around but**
  very expensive

ABSTRACT: The big advantage of a digital **camera** is that the instant you
snap the **picture** , you can take the image into your computer. Once
there, you can put the image...

...it to a friend, or electronically retouch it. The second big advantage
of a digital **camera** is **storage** : You can cram more than 10,000 pictures
into a one gigabyte hard drive -- no more bursting binders. But despite the
allure of the digital, last year's e- **cameras** were, for the most part,
quite limited. Basically point-and-shoot devices, these **cameras** had
limited memory. That meant you frequently had to empty the images; they
had limited resolution; and they couldn't adequately reproduce detail in
bright spots or in shadows. The **cameras** themselves had few features.
Another problem was in the optics: Most of last year's **cameras** were
fixed-focus, which further reduced image quality. Kodak's more-expensive
DC265 ($1,000) **camera** is loaded with more features, but of course that's
what you are paying for...

...little audio note for each photo, and a little speaker to play it back.
The **camera** uses this speaker to make sound effects when you **take** a
photo or click the **buttons** on the back panel. And one feature that's
super cool on the DC265 is that it has a gravity sensor: When you turn the
camera sideways, it senses the turn and automatically rotates the image
back when the picture is...

DESCRIPTORS: **Cameras** ;

 33/3,K/6   (Item 1 from file: 248)
DIALOG(R)File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00245891   Pira Acc. Num.: 40302040
 Title: **SHUTTER LOCK FOR** CAMERAS
  Authors: Ohmura H; Shirane H
  Patent Assignee: FUJI PHOTO FILM CO., LTD.
  Patent Number: US 4135797 Application Date: 760217
  Document Type: Patent

Language: unspecified

Title: SHUTTER LOCK FOR CAMERAS

Abstract: WHEN A PHOTOGRAPHIC **CAMERA** IS SET TO **TAKE** A **PICTURE** USING A STROBO, DEPRESSION OF A SHUTTER RELEASE **BUTTON** OF THE **CAMERA** IS PREVENTED UNTIL THE CHARGE **STORED** IN A CAPACITOR FOR THE STROBO REACHES A REQUIRED LEVEL TO FLASH A STROBO DISCHARGE...

... LEVER IS LOCATED AT A LOCK POSITION WHERE IT PREVENTS DEPRESSION OF THE SHUTTER RELEASE **BUTTON** WHEN THE **CAMERA** IS SET TO **TAKE** A **PICTURE** USING THE STROBO, AND IS HELD IN THE LOCK POSITION UNTIL THE ELECTRIC CHARGE **STORED** IN THE CAPACITOR REACHES THE REQUIRED LEVEL BY THE ATTRACTIVE FORCE OF AN ELECTROMAGNET OF...

... TO A RELEASE POSITION BY A SPRING FORCE, WHEREBY THE DEPRESSION OF THE SHUTTER RELEASE **BUTTON** IS ALLOWED.

Section Headings: **CAMERAS** AND ENLARGERS (6013)

?

45/3,K/1   (Item 1 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
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05425883
Two New Sony Designs: A Shutterbug's Laptop And a Stylish Desktop
Mossberg, Walter S
Wall Street Journal, Sec B, p 1, col 1
 Feb 18, 1999
 ISSN: 0099-9660   NEWSPAPER CODE: WSJ
 DOCUMENT TYPE: Commentary; Newspaper
 LANGUAGE: English   RECORD TYPE: ABSTRACT
 LENGTH: Long (18+ col inches)

...ABSTRACT: in front of the screen but what's behind it. Atop the
keyboard is a **button** labeled "capture." When you **press** that **button** ,
no matter what other software is running, the PictureBook **snaps** a
picture and immediately displays it. With the click of an on-screen icon,
it will then...

...more than adequate for most e-mail, Web sites and documents like
newsletters. And by **building** in the camera, Sony has solved the vexing
problem of getting images into a PC...

 45/3,K/2   (Item 2 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
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05424886
The Statue of Liberty, Central Park and Me
Botha, Ted
New York Times, Sec 5, p 35, col 1
 Feb 21, 1999
 ISSN: 0362-4331   NEWSPAPER CODE: NY
 DOCUMENT TYPE: Commentary; Newspaper
 LANGUAGE: English   RECORD TYPE: ABSTRACT
 LENGTH: Long (18+ col inches)

...ABSTRACT: the slide show will suddenly materialize. And there, between
the shots of the Empire State **Building** , Animal Kingdom and people
bustling down Fifth Ave nue, is one of someone you would...

...course will unavoidably end up leading between someone holding a camera
and someone having a **photograph** **taken** . I'll duck or swerve out of the
way, which sometimes works, but just as often doesn't. Click! Suddenly, at
the **push** of a **button** , I'm captured in the frame. When the photographer
gets home, he or she could...

 45/3,K/3   (Item 3 from file: 483)
DIALOG(R)File 483:Newspaper Abs Daily
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04505842
**Darkroom to desktop Jack Schofield reports on the emergence of desktop
  photography as a business that could eventually be even bigger than
  desktop publishing**
Schofield, Jack
Guardian, Sec ONLINE, p 14, col 1

...ABSTRACT: Eastman, the founder of Kodak, turned photography into a mass
market with the slogan: `You **press** the **button** , we'll do the rest.' But
things have changed in the past 109 years, and now you can do it all
yourself. You can **take** the **picture** on a digital camera, load it into a
personal computer, use software to crop or...

...use an inkjet printer to print it out in glorious photo-quality colour –
all without **entering** a darkroom. `Very few consumers are doing this kind
of thing today,' says Peter Davies...

45/3,K/4   (Item 1 from file: 248)
 Title: **AUTOMATIC MICROFILM CAMERA** OPERATED **RESPONSIVE TO DATA INPUT AT A
TERMINAL**
  Authors: Johnson D R
  Patent Assignee: BELL & HOWELL CO.
  Patent Number: US 4198157
  Application Date: 770216
  Document Type: Patent
  Language: unspecified

 Title: **AUTOMATIC MICROFILM CAMERA** OPERATED **RESPONSIVE TO DATA INPUT AT A
TERMINAL**
   ...Abstract: is positioned to take images of a document while it is being
read by an   **operator**   of a computer terminal. The computer generates a
computer index number, and perhaps other significant...

... alpha-numerical images within the photographic area adjacent to the
copied document. The camera automatically **takes**   a **picture** of the
document and the display when the **operator** pushes an **Enter** or other
appropriate **button**   on the computer terminal, thereby photocopying both
the document and the displayed images. An important...
?

47/3,K/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03714549   INSPEC Abstract Number: B90064107
  Title: The FA-770 multifunction facsimile transceiver for business and
  personal use
  Author(s): Ono, F.; Izumi, N.; **Iwao, H.** ; Nishiyama, Y.; Ishihara, M.
  Author Affiliation: Mitsubishi Electr. Corp., Tokyo, Japan
  Journal: Mitsubishi Denki Giho   vol.63, no.12   p.50-4
  Publication Date: 1989 Country of Publication: Japan
  CODEN: MTDNAF ISSN: 0369-2302
  Language: Japanese
  Subfile: B

  Title: The FA-770 multifunction facsimile transceiver for business and
  personal use
  Author(s): Ono, F.; Izumi, N.; **Iwao, H.** ; Nishiyama, Y.; Ishihara, M.
  Abstract: MELFAS 700 Series facsimile transceivers for business and
  personal use feature a B4-size scanner, B4-size recording paper, and a
  full range of...

  ... principal measure of fax performance) has been enhanced by the use of a
  unique text- **photo** separation function with 32-level gray-scale rendition.
  The facsimiles also feature a superfine mode...
   ...Identifiers: text- **photo** separation function...

  47/3,K/2   (Item 1 from file: 94)
DIALOG(R)File   94:JICST-EPlus
(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

04819153   JICST ACCESSION NUMBER: 00A0952042 FILE SEGMENT: JICST-E
Access Control System Using Face Recognition Technology. Face Recognition
      Technology for Access Control.
OKUBO TATSUYA (1); ADACHI SUMIAKI (1); **IWAO HIROYUKI** (1)
(1) Omron Corp.
Omron Tech, 2000, VOL.40,NO.3, PAGE.202-207
JOURNAL NUMBER: S0266AAU   ISSN NO: 0474-1315   CODEN: OMTKA
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:165
LANGUAGE: Japanese   COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication   *applicant*

OKUBO TATSUYA (1); ADACHI SUMIAKI (1); **IWAO HIROYUKI** (1)
ABSTRACT: In recent years, many technologies have been developed in order
    to identify **individuals** according to the biometric characteristics
    such as fingerprints, voice, etc. It is said that these technologies
    are ultimate ways for **personal** identification because biometric
    characteristics cannot be forged or exchanged between **individuals** . We
    have been studying to develop a system paying specific attention to
    faces as a...
...elements. People can show their faces to other people with less
    diffidence. Furthermore, clear face **images** can be stored, which may
    deter many types of fraud and crime. We have now...

  47/3,K/3   (Item 2 from file: 94)
DIALOG(R)File   94:JICST-EPlus

00944393   JICST ACCESSION NUMBER: 90A0100711   FILE SEGMENT: JICST-E
The FA-700 multifunction facsimile transceiver for business and personal
use.
ONO FUMITAKA (1); IZUMI NOBUYUKI (1); **IWAO HIROYUKI** (1); NISHIYAMA
    YUKIKAZU (1); ISHIHARA MIKIHISA (1)
(1) Mitsubishi Electric Corp.
Mitsubishi Denki Giho, 1989, VOL.63,NO.12, PAGE.1044-1048, FIG.7, TBL.2,
    REF.1
JOURNAL NUMBER: F0198AAP   ISSN NO: 0369-2302   CODEN: MTDNA
UNIVERSAL DECIMAL CLASSIFICATION: 621.394
LANGUAGE: Japanese   COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

The FA-700 multifunction facsimile transceiver for business and personal
use.
ONO FUMITAKA (1); IZUMI NOBUYUKI (1); **IWAO HIROYUKI** (1); NISHIYAMA
    YUKIKAZU (1); ISHIHARA MIKIHISA (1)
ABSTRACT: MELFAS 700 Series facsimile transceivers for business and
    personal use feature a B4-size scanner, B4-size recording paper, and a
    full range of...

...principal measure of fax performance-has been enhanced by the use of a
    unique text- **photo** separation function with 32-level gray-scale
    rendition. The facsimiles also feature a superfine mode...
...DESCRIPTORS: **image** quality
BROADER DESCRIPTORS: **picture** communication...

... **image** characteristic
?

```
Set     Items    Description
S1      984729   FACE?? OR VISAGE?? OR FACIAL(3N)FEATURE?
S2     1707215   IMAGE? OR PHOTO OR PHOTOGRAPH? OR PICTURE?
S3       67149   S2 AND (PERSON?? OR INDIVIDUAL? OR EMPLOYEE??)
S4       23875   S3 AND (CAPTUR? OR DETECT? OR RECEIV? OR TAKE)
S5      455574   CHECKPOINT OR SECURITY()CHECK? OR ENTER? OR EXIT? OR ENTRA-
                 NCE
S6      692850   ROOM OR BUILDING OR DOORWAY
S7        7118   KIOSK?? OR (ATM OR TELLER)(3N)MACHINE?
S8       11165   (SENSING OR SENSES OR SENSOR? OR DETECT?) AND (MOTION?? OR
                 MOVEMENT?? OR MOVING) AND (PERSON?? OR INDIVIDUAL? OR EMPLOYE-
                 E??)
S9         494   S8 AND (APPROACH? OR WALK?)
S10    1045098   BUTTON? OR TOGGLE OR LATCH OR SWITCH OR KEYPAD OR (KEY OR -
                 NUMBER)()(PAD OR PANEL) OR NUMBERPAD
S11     461472   (PUSH OR PRESS OR ACTIVAT OR INITIAL OR OPERAT?) AND S10
S12     282237   CAMERA??
S13       4925   (SNAP??? OR TAKE??)(1N)(PICTURE OR PHOTO OR PHOTOGRAPH)
S14       2990   (COMPAR? OR MATCH? OR CORRESPOND? OR CORRELAT?) AND S8
S15    1563952   TEMPLATE? OR STORED OR STORAGE OR REGISTRATION OR MEMORI?ED
S16      61958   (PLURAL? OR MANY OR SEVERAL OR NUMEROUS OR MULTI OR MULTIP-
                 LE)(3N)S2
S17        201   AU=(MIICHI, K? OR IWAO, H? OR MIICHI K? OR IWAO H?)
S18     186846   IC=G06K?
S19      27170   (S5 OR S6) AND ACCESS?
S20         13   S19 AND S13
S21          2   S20 AND S10
S22      11520   (S6 OR S7) AND S11
S23         34   S22 AND S4
S24          0   S23 AND S14
S25         10   S23 AND S15
S26         10   S25 NOT S21
S27          8   S26 NOT AD=20001013:20041014/PR
S28         63   S9 AND S4
S29          3   S28 AND (COMPAR? OR MATCH? OR CORRESPOND? OR CORRELAT?) AND
                 (TEMPLATE? OR STORED OR STORAGE OR REGISTRATION OR MEMORI?ED)
S30          3   S29 NOT (S25 OR S21)
S31        102   S1 AND S4 AND S5
S32          5   S31 AND S11
S33          3   S32 NOT (S29 OR S25 OR S21)
S34          0   S17 AND S4 AND S1
S35          0   S17 AND S14
S36          4   S17 AND S11
S37          4   S36 NOT (S32 OR S29 OR S25 OR S21)
S38          2   ACCESS? AND S6 AND S13
S39          2   S38 NOT (S36 OR S32 OR S29 OR S25 OR S21)
S40        257   S7 AND S11
S41          0   S40 AND CAPTUR? AND S1 AND S2
S42          7   S40 AND S1
S43          0   S42 AND (COMPAR? OR MATCH? OR CORRESPOND? OR CORRELAT?) AND
                 (TEMPLATE? OR STORED OR STORAGE OR REGISTRATION OR MEMORI?ED)
S44          7   S42 NOT (S38 OR S36 OR S32 OR S29 OR S25 OR S21)
S45          5   S44 NOT AD=20001013:20041014/PR
S46         21   S15 AND S16 AND S14
```

```
S47        0    S46 AND S11
S48        0    S46 AND (S5 OR S7)
S49        4    S46 AND S18
S50        3    S49 NOT AD=20001013:20041014/PR
```

21/3,K/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

07364474   **Image available**
REMOTE CONTROLLER

PUB. NO.:   2002-232971 [JP 2002232971 A]
PUBLISHED: August 16, 2002 (20020816)
INVENTOR(s):   SATO NAOKO
APPLICANT(s): RICOH CO LTD
APPL. NO.:   2001-028116 [JP 200128116]
FILED: February 05, 2001 (20010205)

ABSTRACT
... connected to the Internet and desires a picture of a desired WWW site,
the user **enters** or selects a URL of the site and the remote controller 4
transmits the information with an infrared ray to a receiver side. The
desired **picture** often **takes** much time until it appears and a long
waiting time is needed. Then the remote controller 4 starts counting when
receiving a WWW site **access** from the user and deactivates functions of
operation **buttons** other than 'cancellation' and 'end'. When no desired
picture appears even a lapse of a prescribed time, the remote controller 4
informs a user about a state of **access** waiting. A display section 47
visually displays this notice for the user.
COPYRIGHT: (C)2002...

21/3,K/2   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015941408   **Image available**
WPI Acc No: 2004-099249/200410
XRPX Acc No: N04-079073
  **Electronic camera has selection switch to operate between two imaging
  functionalities that employs sensor for taking picture of scene in imaged
  field and for data entry responsive to user hand activity**
Patent Assignee: VKB INC (VKBV-N)
Inventor: LIEBERMAN K; MAOR Y; SHARON Y
Number of Countries: 105 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200403656	A2	20040108	WO 2003IL538	A	20030626	200410	B
AU 2003238660	A1	20040119	AU 2003238660	A	20030626	200447	

Priority Applications (No Type Date): US 2003438327 P 20030107; US
  2002392376 P 20020626
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200403656	A2	E	83	G03B-000/00	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
    IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO
    NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US
    UZ VC VN YU ZA ZM ZW
    Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
    GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ
    UG ZM ZW
AU 2003238660 A1   G03B-000/00   Based on patent WO 200403656

Electronic camera has selection switch **to operate between two imaging functionalities that employs sensor for taking picture of scene in...**

Abstract (Basic):
...   to provide an output representing an imaged field. Two imaging
   functionalities employ the sensor to **take** a **picture** of a scene in
   an imaged field and to **enter** data responsive to user hand activity.
   An imaging functionality selection **switch** (104) operates between two
   functionalities.
...   reproducing a digital picture. E.g. for use in locking/unlocking
   of vehicle doors for **access** control. Can also be used with portable
   telephone, PDA, wrist watch, data input apparatus or...

...The user-operated imaging functionality selection **switch** operates
   between two functionalities, thereby enabling user to select operation
   in one of the functionalities...

...User-operated imaging functionality selection **switch** (104...
...Title Terms: **SWITCH** ;
?

012689949   **Image available**
WPI Acc No: 1999-496058/199942
Related WPI Acc No: 1999-183011
XRPX Acc No: N99-369677
  Visual axis input and decision transfer device for detecting **visual axis of user observing display panel, and inputting** detection **result of user's visual axis input information for the display panel – has device for notifying user of** detection **result information indicating visual axis** detection **success**
Patent Assignee: CANON KK (CANO)
Inventor: GOTO H; YOSHIDA M
Number of Countries: 025 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 942350	A1	19990915	EP 99104935	A	19990312	199942	B
EP 942350	B1	20030205	EP 99104935	A	19990312	200318	
DE 69905209	E	20030313	DE 605209	A	19990312	200326	
			EP 99104935	A	19990312		

Priority Applications (No Type Date): JP 9882925 A 19980313
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 942350	A1	E	60	G06F-003/00	

    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI

| EP 942350 | B1 | E | | G06F-003/00 | |

    Designated States (Regional): DE FR GB IT SE

| DE 69905209 | E | | | G06F-003/00 | Based on patent EP 942350 |

  Visual axis input and decision transfer device for detecting **visual axis of user observing display panel, and inputting** detection **result of user's visual axis input information for the display panel...**

  ...has device for notifying user of detection **result information indicating visual axis** detection **success**

Abstract (Basic):
  ...   The visual axis **detector** apparatus **detects** a line of sight
    of a user who faces the video **image** on a display panel and transmits
    an intent of the user in accordance with the line of sight that is
    detected . An option determination device employs a visual axis
    position **detected** by the visual axis **detector** to make a selection
    from the display panel that the user is viewing.
  ...   rotation axes so as to provide a tele-centric prism system that
    compensates for the **image** focusing and **image** distortion
    performances. The prism (1003) has a curved structure that includes a
    basic light axis...

  ...b) a memory medium on which is **stored** program for **building** visual
    axis transmission apparatus...

  ...The invention relates to **detecting** the line of sight (visual axis)
    from a user to a display panel and for inputting the result of the
    detection of the line of sight as information to be shown on a display
    panel in...

...The invention enables a seriously physically handicapped **person** who
   can not depress a foot **button** to easily transmit the determination of
   a character to be input. A user can confirm the results of a **detection**
   of the line of sight and can thus avoid having to unnecessarily repeat
   an **operation** and see an externally input video **image** , while
   watching a display panel. The user can select one of a number of
   options by entering the line of sight, while viewing an externally
   input **image** .
        ...
...The drawing shows **personal** computer system with visual axis **detecting**
   system
...Title Terms: **DETECT** ;

 27/3,K/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012376904   **Image available**
WPI Acc No: 1999-183011/199916
Related WPI Acc No: 1999-496058
XRPX Acc No: N99-134425
  Visual axis detection **computer data input apparatus**
Patent Assignee: CANON KK (CANO)
Inventor: GOTO H; YOSHIDA M
Number of Countries: 027 Number of Patents: 007
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 903661	A1	19990324	EP 98306814	A	19980826	199916	B
JP 11073274	A	19990316	JP 97244817	A	19970827	199921	
JP 11259226	A	19990924	JP 9882925	A	19980313	199951	
US 6161932	A	20001219	US 99265587	A	19990310	200102	
US 6426740	B1	20020730	US 98140761	A	19980826	200254	
EP 903661	B1	20030108	EP 98306814	A	19980826	200304	
DE 69810557	E	20030213	DE 610557	A	19980826	200320	
			EP 98306814	A	19980826		

Priority Applications (No Type Date): JP 9882925 A 19980313; JP 97244817 A
   19970827
Patent Details:

Patent No	Kind Lan Pg	Main IPC	Filing Notes
EP 903661	A1 E 142	G06F-003/00	

   Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
   LI LT LU LV MC MK NL PT RO SE SI

JP 11073274	A	34	G06F-003/033
JP 11259226	A	37	G06F-003/033
US 6161932	A		A61B-003/14
US 6426740	B1		G09G-005/08
EP 903661	B1 E		G06F-003/00

   Designated States (Regional): DE FR GB NL SE

DE 69810557	E		G06F-003/00 Based on patent EP 903661

  Visual axis detection **computer data input apparatus**

Abstract (Basic):
   ...   The visual axis **detector** apparatus **detects** a line of sight
   of a user who faces the video **image** on a display panel and transmits
   an intent of the user in accordance with the line of sight that is
   detected . An option determination device employs a visual axis
   position **detected** by the visual axis **detector** to make a selection

from the display panel that the user is viewing.
...   rotation axes so as to provide a tele-centric prism system that
     compensates for the **image** focusing and **image** distortion
     performances. The prism (1003) has a curved structure that includes a
     basic light axis...

...b) a memory medium on which is **stored** program for **building** visual
     axis transmission apparatus...

...The invention relates to **detecting** the line of sight (visual axis)
     from a user to a display panel and for inputting the result of the
     detection of the line of sight as information to be shown on a display
     panel in...

...The invention enables a seriously physically handicapped **person** who
     can not depress a foot **button** to easily transmit the determination of
     a character to be input. A user can confirm the results of a **detection**
     of the line of sight and can thus avoid having to unnecessarily repeat
     an **operation** and see an externally input video **image** , while
     watching a display panel. The user can select one of a number of
     options by entering the line of sight, while viewing an externally
     input **image** .
     ...
...The drawing shows **personal** computer system with visual axis **detecting**
     system
...Title Terms: **DETECT** ;

 27/3,K/3   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012152077   **Image available**
WPI Acc No: 1998-568989/199848
XRAM Acc No: C98-171100
XRPX Acc No: N98-442655
   Optical memory device including photochromic **fluorescent protein – that
   is switched betwe**en states by irradiation at specific wavelength
Patent Assignee: UNIV CALIFORNIA (REGC)
Inventor: CUBITT A B; DICKSON R M; HEIM R; MOERNER W E; TSIEN R Y
Number of Countries: 081 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9847148	A1	19981022	WO 98US5741	A	19980323	199848	B
AU 9865810	A	19981111	AU 9865810	A	19980323	199912	
US 6046925	A	20000404	US 97839685	A	19970414	200024	

Priority Applications (No Type Date): US 97839685 A 19970414
Patent Details:

Patent No	Kind Lan Pg	Main IPC	Filing Notes
WO 9847148	A1 E 66	G11C-013/00	

   Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
   CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR
   LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
   TR TT UA UG UZ VN YU ZW
   Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE
   IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9865810	A		G11C-013/00	Based on patent WO 9847148
US 6046925	A		G11C-013/04	

Optical memory device including photochromic **fluorescent protein...**

...Abstract (Basic): Optical memory device includes a **photochromic**
   fluorescent protein (I) that is convertible from a first state (S1) to
   a second state...

...wavelength. S1 has an excitation maximum (W1), and both S1 and S2 are
   stable at **room** temperature...

...at least 4 times that of S1 excited at W2; (2) selecting (I) having
   improved **photochromic** properties by screening bacteria containing
   many mutants of (I); (3) nucleic acid (II) encoding (I...

...USE - (A) are used for **storage** and recovery of information, i.e., by
   exposure to writing and then reading wavelengths and...

...behaviour of (I) is similar to that of currents through an ion channel,
   allowing selective **detection** of **individual** molecules and thus a
   high density of information **storage** . (I) can emit several million
   photons without photodestruction, even in oxygen-containing
   surroundings, and permits **operation** of **storage** devices at **room**
   temperature...
...Title Terms: **PHOTOCHROMIC ;**

 27/3,K/4   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012026879   **Image available**
WPI Acc No: 1998-443789/199838
XRPX Acc No: N98-346371
  Multi-display system for e.g building **, hospital, advertisement, hearing**
  impaired - has switching calculation unit that process monitor controlled
  program based on received **control signal, to output analogue** image
  signal on several monitors
Patent Assignee: FUJITSU GENERAL LTD (GENH)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10187109	A	19980714	JP 96340809	A	19961220	199838	B

Priority Applications (No Type Date): JP 96340809 A 19961220
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10187109	A		14	G09G-005/00	

  Multi-display system for e.g building **, hospital, advertisement, hearing**
  impaired...
...**has switching calculation unit that process monitor controlled program**
  based on received **control signal, to output analogue** image **signal on**
  several monitors

...Abstract (Basic): The system has several monitors (1) which input an
   analogue **image** signal from an **image** signal unit. An **image**
   transmitter (23) sends analogue **image** signal, a code is generated for
   control and an ID number send for monitor command execution. A
   synchronous adjustment unit (27) adjust the timing, to synchronised the
   image signal. A frame number generator output a program code and a
   signal control synthesiser outputs a monitor ID **registration** . A

system memory (31) stores the sequence of **operation** of a transmitter
(28) which sends the control signal to a digital control circuit (41...

...A controller (32) controls the whole **operation** by controlling the
devices based on the sequence in the system memory. Several **image**
input units are connected to the **image** transmitter and several
control signal **receivers** are connected to the transmitter. A monitor
section of the ID from **image** transmitter stores the **image** signal of
an appointed frame number. The switching calculation unit (6) process a
monitor control program **stored** on memory (11...
...ADVANTAGE - Provides inexpensive assembly since **personal** computers are
not used as monitors...
...Title Terms: **SWITCH** ;

 27/3,K/5 **(Item 5 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011093436   **Image available**
WPI Acc No: 1997-071361/199707
XRPX Acc No: N97-059140
  TV monitoring device for e.g. apartment - has frequency converter which
  converts very high-frequency modulator output signal, input to
  individual **TV, to frequency for empty channel modulated by ultra**
  high-frequency modulator when sensor outputs signal
Patent Assignee: TSUTEKKU KK (TSUT-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 8317087   A   19961129 JP 95141131   A   19950515 199707 B

Priority Applications (No Type Date): JP 95141131 A 19950515
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 8317087   A   8 H04M-011/06

... **has frequency converter which converts very high-frequency modulator**
  output signal, input to individual **TV, to frequency for empty channel**
  modulated by ultra high-frequency modulator when sensor outputs...

...Abstract (Basic): signal of a camera (6). An ultra high-frequency
   modulator (10) modulates and outputs an **image** signal **stored** in a
   frame memory (9) at a frequency for an empty channel. The memory output
   ...

...a TV (14). A private branch exchange (13) connects the circuit, used in
   a signal **switch** (12), an intercom (5), and a line wire to a telephone
   (15...

...The circuit connected to the telephone **detects** the signal circuit or
   the line wire of the intercom. A sensor inserted between the communal
   installation of the TV and the **individual** TV outputs the signal
   corresp. to the **detected** signal circuit of the intercom. The VHF
   modulator output signal input into the **individual** TV is converted to
   the modulated frequency for the empty channel from the UHF modulator...

...ADVANTAGE - Does not need exclusive TV for every **room** . Reduces cost
   and saves **room** spatial. Improves **operation** during attachment of TV
   monitoring device in apartment. Provides excellent safety since

27/3,K/6   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010561643   **Image available**
WPI Acc No: 1996-058597/199606
XRPX Acc No: N96-048850
  Data collection system w.r.t. received **transmitted programme** material –
  comprises collection units distributed to remote participants, contg.
  device e.g. switch **for registering response data on e.g. smart-card**
Patent Assignee: GREENE S B (GREE-I); MURPHY P E P (MURP-I); GREENE S
  (GREE-I)
Inventor: GREENE S B; MURPHY P E P; GREENE S
Number of Countries: 066 Number of Patents: 010
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9535606	A1	19951228	WO 95GB1462	A	19950621	199606	B
ZA 9505130	A	19960327	ZA 955130	A	19950621	199619	
AU 9527464	A	19960115	AU 9527464	A	19950621	199620	
EP 781476	A1	19970702	EP 95922636	A	19950621	199731	
			WO 95GB1462	A	19950621		
AU 686825	B	19980212	AU 9527464	A	19950621	199814	
JP 10502225	W	19980224	WO 95GB1462	A	19950621	199818	
			JP 96501846	A	19950621		
US 20020133816	A1	20020919	US 98219033	A	19981223	200264	
			US 2002120128	A	20020410		
CN 1155952	A	19970730	CN 95194709	A	19950621	200375	
EP 781476	B1	20040616	EP 95922636	A	19950621	200439	
			WO 95GB1462	A	19950621		
DE 69533163	E	20040722	DE 95633163	A	19950621	200450	
			EP 95922636	A	19950621		
			WO 95GB1462	A	19950621		

Priority Applications (No Type Date): GB 9412440 A 19940621
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9535606	A1	E	27	H04H-009/00	

    Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK EE
    ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ
    PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN
    Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC
    MW NL OA PT SD SE SZ UG

ZA 9505130	A		28	H04H-000/00	
AU 9527464	A			H04H-009/00	Based on patent WO 9535606
EP 781476	A1	E	27	H04H-009/00	Based on patent WO 9535606

    Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
    NL PT SE

AU 686825	B			H04H-009/00	Previous Publ. patent AU 9527464
					Based on patent WO 9535606
JP 10502225	W		30	H04H-009/00	Based on patent WO 9535606
US 20020133816	A1			H04N-007/16	Cont of application US 98219033
CN 1155952	A			H04H-009/00	
EP 781476	B1	E		H04H-009/00	Based on patent WO 9535606

    Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
    NL PT SE

DE 69533163	E			H04H-009/00	Based on patent EP 781476
					Based on patent WO 9535606

Data collection system w.r.t. received transmitted programme material
...

**...comprises collection units distributed to remote participants, contg.
device e.g.** switch **for registering response data on e.g. smart-card**

...Abstract (Basic): A data collection system records information
concerning transmitted material, **received** by a participant, using a
remote collection unit (20). This unit includes a processor (21) and
hand-held **switch** unit (28). The transmitted programme material
includes coded data on TV **picture** lines 7-12, which is passed to data
control 27...

...During viewing of e.g. transmitted advertisements, a participant
depresses **switch** 37. Coded data from lines 7-12, unit identification
and clock-time of viewing are...

...removable smart-card (30). This is removed and despatched to a central
office for retrieving **stored** data when full. Data is cross-referenced
with participant **personal** data for **building** up a viewing database
...

...1-12 weeks, with associated benefit value awarded to participant, along
with system protection from **operational** abuse...
...Title Terms: **RECEIVE ;**

27/3,K/7   (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009467457   **Image available**
WPI Acc No: 1993-160996/199320
XRPX Acc No: N93-123556
  **Teleconference system with TV monitors - has controller responsive to
  display switching information transmitted from video appts. to read
  display control information** stored **in memory**
Patent Assignee: SONY CORP (SONY)
Inventor: HATAKE S; ISHIKAWA T; TAKANO M
Number of Countries: 005 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 542537	A2	19930519	EP 92310323	A	19921112	199320	B
JP 5137137	A	19930601	JP 91297364	A	19911113	199326	
EP 542537	A3	19931027	EP 92310323	A	19921112	199511	
US 5565911	A	19961015	US 92975525	A	19921112	199647	
			US 95392489	A	19950223		
EP 542537	B1	19970917	EP 92310323	A	19921112	199742	
DE 69222265	E	19971023	DE 622265	A	19921112	199748	
			EP 92310323	A	19921112		

Priority Applications (No Type Date): JP 91297364 A 19911113
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 542537	A2	E	12	H04N-007/14	
Designated States (Regional): DE FR GB					
US 5565911	A		18	H04N-007/15	CIP of application US 92975525
EP 542537	B1	E	14	H04N-007/14	
Designated States (Regional): DE FR GB					

DE 69222265   E   H04N-007/14   Based on patent EP 542537
JP 5137137   A   H04N-007/15
EP 542537   A3   H04N-007/14

**... controller responsive to display switching information transmitted
from video appts. to read display control information** stored **in memory**

...Abstract (Basic): display switching information transmitted from the
video transmitting appts. to read the display control information
stored in the control information memory. The controller sequentially
reads the video information from the memory...

...ADVANTAGE - Copes with moving **image** , i.e. not just mainly static
image of other conference **room** or chamber. Resolution is high enough
to allow **individual** characters to be read on transmitted document
without requiring expert to **operate** transmitting appts. in addition
to presenter...
...Abstract (Equivalent): A teleconference system comprising a video
transmitting apparatus (10) and a video **receiving** apparatus (30)
between which a video signal is transmitted, the video **receiving**
apparatus (30) comprising (a) display means (38) for displaying a video
information (b) video memory...

...the plurality of items of video information transmitted from the video
transmitting apparatus (10) and **stored** in the video memory means
(35,40,43) are to be displayed so as to...

...switching information transmitted from the video transmitting apparatus
(10) to read the display control information **stored** in the control
information memory means (34) and sequentially reading the video
information from the...

...the display means (38) whereby subsequent items of video information are
used to form subsequent **images** on the display in accordance with the
desired scenario...
...Abstract (Equivalent): a display data selection device for selecting
display data to be displayed, and first scenario **storage** memory means
containing scenario code data representative of an order in which said
display data...

...a data **receiving** apparatus including display means for displaying
display data, second scenario **storage** memory means for storing
therein said scenario code data transmitted from said data transmitting
apparatus...

...a display switching signal transmitted from said data transmitting
apparatus in accordance with a switching **operation** executed by a user
for reading said scenario code data **stored** in said second scenario
storage memory means and for sequentially reading said display data
from said data memory means in...
...Title Terms: **SWITCH ;**

27/3,K/8   (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004273269
WPI Acc No: 1985-100147/198517
XRPX Acc No: N85-075167

Selectively operated image storage **appts. - scans document for** storage **section by section, then stores only different parts of similar document**
Patent Assignee: FUJI XEROX CO LTD (XERF)
Inventor: KATO H
Number of Countries: 003 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 3436282	A	19850418	DE 3436282	A	19841003	198517	B
GB 2147766	A	19850515	GB 8424816	A	19841002	198520	
US 4633506	A	19861230	US 84656900	A	19841002	198703	
GB 2147766	B	19870311				198710	
DE 3436282	C	19880721				198829	

Priority Applications (No Type Date): JP 83184911 A 19831003
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3436282	A		14		

  Selectively operated image storage **appts...**

...**scans document for** storage **section by section, then stores only different parts of similar document**

...Abstract (Basic): Apparatus for storing and reproducing **images** or documents using scanning equipment for the original documents, uses a **storage** unit and a print-out unit for producing copies of the **stored** information. Each document is divided up into sections which are **stored individually** , and after a complete copy has been **stored** , only different parts of a similar document are **stored** , avoiding duplication of the **stored** sections...

...commands for the signals corresponding to the revised parts of the original to control their **storage** position, after a comparison has been made. The scanning device is an charge coupled device. A **push button** unit is **operated** to control the portions to be printed...

...ADVANTAGE - **Storage room** is saved...
...Abstract (Equivalent): The **image** processing device has a data memory **receiving** the **image** data obtained by scanning an original, with selected **image** elements extracted from the memory and combined to provide a new **image** . The **image** signals are supplied to the memory via a processing circuit (3) which arranges the data signals in sub groups corresponding to different **image** areas of the original...

...a corrected original with the sub group signals of the unchanged original to allow the **stored** data to be updated...
...Abstract (Equivalent): A **picture image** file device comprising: an input section for scanning documents and for generating **picture image** signals corresponding to said scanned documents; a signal **storage** section; a signal processing section for **receiving** the **picture image** signals corresponding to an original document for grouping the original document **picture image** signals into original document subgroup signals corresponding to sections of the original documents and for transferring the original document subgroup signals to the signal **storage** section for **storage** therein in a complete document file; and an instruction entering device for entering instructions, the entered instructions including an instruction for controlling the signal processing section to **receive** the **picture image** signals corresponding to a revised document having portions identical with the original document and portions different therefrom,

30/3,K/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06160896   **Image available**
 IMAGE -MONITORING DEVICE AND METHOD THEREFOR

PUB. NO.:   11-102440 [JP 11102440 A]
PUBLISHED: April 13, 1999 (19990413)
INVENTOR(s): ONOGUCHI KAZUNORI
APPLICANT(s): TOSHIBA CORP
APPL. NO.:   09-263602 [JP 97263602]
FILED: September 29, 1997 (19970929)

 IMAGE -MONITORING DEVICE AND METHOD THEREFOR

ABSTRACT
PROBLEM TO BE SOLVED: To prevent the erroneous **detection** of a brightness
variable area on a road surface that is caused by the shadows of **persons**
 walking , etc., and to **detect** even the **walkers** standing, without
updating the background data by **detecting** the objects of different
heights with respect to a set plane to decide the positions of **walkers** by
means of plural TV cameras.

SOLUTION: The **image** which are inputted by plural TV cameras 1i
(1≤i≤n) are **stored** in an **image** memories 2i, and plural **image**
 projection parts 3i project the **images** on a plane that is set on the
basis of a prescribed coordinate system which...

... from among (n) pieces of projection data which are inputted from the
parts 3i. A **comparison** parts 5j (1≤j≤m) extract the areas set at
the same position...

... lightnesses different from those projected data. Then an integration
part 7 integrates the position information **person** **walkers** which are
obtained from the extraction parts 6i respectively and then decides the
positions, numbers, **moving** directions and **moving** speeds of the **walkers**
 in the entire monitoring areas of the coordinate system.

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 30/3,K/2   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

010642364   **Image available**
WPI Acc No: 1996-139318/199614
Related WPI Acc No: 1994-006243; 1996-187294
XRPX Acc No: N96-116759
   Computer-aided clothes designing system - receives data describing
   fabric characteristics, e.g. weave pattern, friction, average fibres per
   strand, strand wear characteristics, and elasticity, fabric colours and
   patterns, and personal characteristics e.g. dimensions and complexion
Patent Assignee: BEAVIN W C (BEAV-I)
Inventor: BEAVIN W C
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5495568	A	19960227	US 90550343	A	19900709	199614	B

Priority Applications (No Type Date): US 93175780 A 19931227; US 90550343 A
    19900709; US 91801914 A 19911203
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 5495568   A   11 G06F-017/50   CIP of application US 90550343
                                      CIP of application US 91801914
                                      CIP of patent US 5273038

...   receives **data describing fabric characteristics, e.g. weave pattern,
    friction, average fibres per strand, strand wear characteristics, and
    elasticity, fabric colours and patterns, and** personal **characteristics
    e.g. dimensions and complexion**

...Abstract (Basic): Digitised **photographs** of an **individual** are mapped
    over a three-dimensional **image** tailored to that **individual**'s
    dimensions. Garment models are placed over the three-dimensional
    images , which reflect the input fabric characteristics and colour
    patterns. The fit is tailored to **match** the three-dimensional model,
    and shown graphically on the computer display device...

...The three-dimensional model moves as the **individual** would move, such
    as raising the arms, bending, **walking** , or running. **Motion** inputs
    may come from prerecorded manoeuvre data, or user input through such
    means as computer keyboard, mouse, joystick, or other interaction
    devices such as body position **sensors** worn by the user to accurately
    input **individual** range of **motion** data. Friction between the
    individual and the fabric is monitored, as well as between areas of
    fabric rubbing on fabric...

...can be applied to adjust for the binding. The fabric model is affected
    by the **motion** through stretching and friction. Fabric conditions,
    such as temperature, moisture content, foreign objects, and fabric...

...s response may be observed as the three dimensional model moves through
    normal ranges of **motion** . Fabric characteristics such as colour and
    pattern may be modified dynamically, so that the user may observe
    different garments. The three dimensional model can be made to move in
    slow **motion** , real-time, or faster than real-time to observe results.
    After the user is satisfied with the garment design, it is **stored** in
    computer memory, and can be presented in the form of a printed pattern
    to...
...Title Terms: **RECEIVE** ;

 30/3,K/3   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009124193   **Image available**
WPI Acc No: 1992-251626/199231
XRPX Acc No: N92-192160
   Distance detecting **apparatus for vehicle – includes window setting
   device for setting distance measuring windows on basis of one of two
   image signals generated by pair of video cameras**
Patent Assignee: MITSUBISHI DENKI KK (MITQ)
Inventor: MAEKAWA H
Number of Countries: 004 Number of Patents: 005

Distance detecting **apparatus for vehicle...**

...includes window setting device for setting distance measuring windows on basis of one of two image **signals generated by pair of video cameras**

...Abstract (Basic): The distance **detecting** apparatus measures the distance to a target preceding vehicle and **detects** obstacles such as an intervening vehicle. The apparatus includes a window setting device for setting...

...distance measuring windows (21-25) on a screen on the basis of one of two **image** signals generated by a pair of video cameras (5,6...

...Switch (14) sets an **image** following window enclosing the preceding vehicle to be followed. A CPU measures the distance to...
...well as the distance window as well as the distance to an object in the **image** following window...
...Abstract (Equivalent): A distance **detecting** apparatus for a vehicle comprising: (a) a pair of optical **sensing** means (1, 3, 5; 2, 6, 4) each for optically **sensing** a plurality of objects (31, 32) and generating a **corresponding** **image** signal; (b) first memory means (9, 10) for storing the output **image** signal from one of said optical **sensing** means (1, 3, 5) as a first **image** signal; (c) second memory means (11) for storing the output **image** signal from the other of said optical **sensing** means (2, 6, 4) as a second **image** signal; (d) a display (15) with a screen (20) for displaying the **images** of said objects (31, 32) as sensed by said optical **sensing** means (1, 3, 5; 2, 6, 4), window setting means (13, 14) for successively setting an **image** -following window (26) on the screen (20) of said display (5) at a location enclosing...

...predetermined locations on the screen of said display (15); (e) distance calculating means (12) for **comparing** the **images** of said objects (31, 32) in said respective distance-measuring windows (21-25) **stored** in said first memory means (9, 10) with the **corresponding** **images** of said object **stored** in said second memory means (11) so as to **detect** deviations therebetween, said distance calculating means (12) **individually** calculating the distance to an object (31, 34) in each distance-measuring window (21-25) based on the calculating deviations; (f) **image** -following window updating means for successively **comparing** at predetermined time intervals an **image** in said **image** -following

33/3,K/1   (Item 1 from file: 347)

01272304   **Image available**
FOCUSING POINT **DETECTOR**

PUB. NO.:   58-209704 [JP 58209704 A]
PUBLISHED: December 06, 1983 (19831206)
INVENTOR(s):   SHIMADA NORIJI
APPLICANT(s): KOSHINA KK [460357] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   57-092665 [JP 8292665]
FILED: May 31, 1982 (19820531)
JOURNAL: Section: P, Section No. 262, Vol. 08, No. 60, Pg. 76, March
               22, 1984 (19840322)

FOCUSING POINT **DETECTOR**
...JAPIO CLASS: **Photography** & Cinematography)

ABSTRACT
... signal for distance measurement is led out of the shift register part
successively. When the **face** 7 if a **person** is put in focus and
long-distance mountains 8 and intermediate- distance houses 9 are all
 image -formed on a photodetection part, only the output signal of the
 image formation of the **face** 7 is employed in the stage of calculation
of a computer 4 and other output signals of the **image** formation of the
mountains 8 and houses 9 are omitted; and the calculated distance
measurement signal is converted into a motor **operating** signal through the
 operation of a focus position **switch** 5 and a motor 6 for focal-length
distance control is driven until a optical **photographic** system and an
optical distance measurement system **enter** in-focus states.

33/3,K/2   (Item 1 from file: 350)

010211601   **Image available**
WPI Acc No: 1995-112855/199515
XRPX Acc No: N95-088979
  **Monitoring system for banks - uses input unit to pass command, induction
  unit to generate sound and** images **and recording unit to register** image
   of person 's face **in response to these disturbances**
Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 7038786	A	19950207	JP 93196764	A	19930715	199515	B

Priority Applications (No Type Date): JP 93196764 A 19930715
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7038786	A		4	H04N-005/225	

... **uses input unit to pass command, induction unit to generate sound and**
  images **and recording unit to register** image **of** person 's face **in
  response to these disturbances**
...Abstract (Basic): The monitoring system has a camera (13) equipped with
     multiple **push - button** switches (11). An induction signal generator

(15) is installed near the monitoring camera. When one of the switches
is turned `ON' the corresp. command signal is **entered** through an OR
gate (16) to a control device (12). The command is then passed to the
induction signal generator which then generates sound and **images** .
...

...The camera **photographs** the **person** 's **face** which turns in response
to the sound and **images** enabling direct recording (14) of features...

...USE - Criminal investigation and civil affairs incidents as proof to
detect photographed person .

...Title Terms: **IMAGE** ;

33/3,K/3 **(Item 2 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

008646631   **Image available**
WPI Acc No: 1991-150660/199121
Related WPI Acc No: 1991-000789; 1991-150661; 1991-150662; 1991-150663;
   1991-150679; 1991-157232; 1991-157970; 1991-157980; 1991-165301;
   1991-165302; 1991-165303
XRPX Acc No: N91-115691
   **Data recovery device for laser printer - counts number of pages remaining
   in given area of feed path and uses information to control printer**
Patent Assignee: ASAHI KOGAKU KOGYO KK (ASAO   )
Inventor: HONDA R; KAMASAKO S; KITA M; NEGISHI K; NISHIKAWA T; SATO T; YANO
   T; YOSHIDA T; NEGORO I; KIYOSHI N
Number of Countries: 005 Number of Patents: 020
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2238018	A	19910522	GB 90245739	A	19901112	199121	B
DE 4035732	A	19910529	DE 4035732	A	19901109	199123	
AU 9066542	A	19910516				199127	
US 5148284	A	19920915	US 90611548	A	19901113	199240	
AU 635685	B	19930325	AU 9066542	A	19901112	199319	
AU 637158	B	19930520	AU 9066548	A	19901112	199327	
AU 637291	B	19930520	AU 9066545	A	19901112	199327	
AU 637292	B	19930520	AU 9066546	A	19901112	199327	
AU 639396	B	19930722	AU 9066538	A	19901112	199336	
GB 2238018	B	19931103	GB 9024573	A	19901112	199344	
GB 2239109	B	19931201	GB 9024509	A	19901112	199348	
GB 2238020	B	19931208	GB 9024575	A	19901112	199349	
GB 2238021	B	19931222	GB 9024580	A	19901112	199351	
GB 2238756	B	19931222	GB 9024578	A	19901112	199351	
GB 2238019	B	19940112	GB 9024574	A	19901112	199402	
DE 4035716	C2	19940203	DE 4035716	A	19901109	199405	
AU 649236	B	19940519	AU 9066541	A	19901112	199424	
US 5565972	A	19961015	US 90535477	A	19900611	199647	
			US 90611836	A	19901113		
			US 91750281	A	19910827		
			US 92854007	A	19920319		
			US 92889146	A	19920527		
US 5649274	A	19970715	US 90535477	A	19900611	199734	
			US 90611836	A	19901113		
			US 91750281	A	19910827		
			US 92854007	A	19920319		
			US 92889146	A	19920527		

DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Field of the Invention] This invention relates to the monitoring system equipped with the surveillance camera.
[0002]
[Description of the Prior Art] Conventionally, the surveillance camera currently installed in the bank etc. is installed in the position in a bank so that a counter and a lobby may be photoed. The surveillance camera may be installed also near [ATM (ATM), a cash dispenser (CD), etc.]. Anyway, the video signal or image data showing the person photoed by the surveillance camera is recorded on recording devices, such as a magnetic tape and semiconductor memory, and can be used for criminal investigation of a detective, a civil case, etc., proof, etc.
[0003] Though such a conventional surveillance camera is photoing the site when a certain incident occurs since it is fixed to the usually high location, it is rare to photo the face of the person in connection with an incident vividly from the front face. Therefore, it was difficult to use the image obtained from the surveillance camera as a decisive or convincing proof about the incident, or data.
[0004]
[Description of the Invention] This invention aims at offering the monitoring system which can photo the face of the person in the photography field of a surveillance camera.
[0005] The monitoring system by this invention so that the inside of the space which should be supervised may be photoed With the input means for ordering it the timing about photography with the camera and the above-mentioned camera which were adjusted and installed, and the above-mentioned camera It was prepared in the contiguity location of a record means to record the signal or data showing the photoed image, and the above-mentioned camera, and has an induction signal generation means to answer the command given from the above-mentioned input means, and to generate physical induction signals, such as a sound and light.
[0006] The space (photography field of a camera) which should be supervised with the above-mentioned camera may always be photoed continuously, and a photograph may be taken for every fixed time amount. When a command is given from the above-mentioned input means especially in the case of the latter, a camera is controlled to perform photography actuation. Moreover, photography with a camera is not usually performed, but only when a command is given from the above-mentioned input means, you may control to perform photography actuation to a camera. Anyway, when a command is given from the above-mentioned input means, photography of at least 1 piece (preferably two or more pieces) is performed by the above-mentioned camera.
[0007] The video signal or image data obtained by photography with the above-mentioned camera is recorded on magnetic tapes, such as a video tape, a magnetic disk, or semiconductor memory.
[0008] When the situation which should be photoed with surveillance cameras, such as an incident, occurs, the above-mentioned input means is operated by a bank clerk, an official in charge, a hitcher on, a guard, a salesclerk, and other men, and a command generates it from the above-mentioned input means

h   c   g   cg   b   eb   cg   e   e

by this actuation.

[0009] When according to the monitoring system of this invention the above-mentioned input means is operated and a command occurs, this will be answered, a sound, light, etc. will occur near the camera from the above-mentioned induction signal generation means, and attention of the person who is in the photography field of a camera will be attracted. Therefore, it is expectable that the person turns to the direction of a camera which a sound, light, etc. generated, i.e., the direction. If a person turns to the direction of a camera, the person's face can be photoed and recorded with a camera.

[0010] Thus, according to this invention, possibility that the face of the person who is in the photography field of a camera can be photoed from that transverse plane increases very much, and the image information which is useful to criminal investigation, proof, etc. can be obtained.

[0011]

[Example] The example which installed the monitoring system by this invention in the store of a bank is explained below.

[0012] Drawing 1 is the top view showing the arrangement configuration in the store of a bank. Drawing 2 is the block diagram showing the electric configuration of the monitoring system by this invention.

[0013] In drawing 1 , the surveillance camera 13 is installed in the high location of the proper place in the store of a bank, for example, the back. The visual field of a camera 13, a focal distance, and light exposure are beforehand adjusted so that the inside of a counter 21, a chair 23, and the lobby 22 that the table 24 grade set may be photoed with a camera 13. You may make it make photography of the space which installed two or more cameras, and divided the space in the store of a bank into plurality, and was divided into each camera share.

[0014] Induction signal generation equipment 15 is formed in the contiguity location of the installation part of a surveillance camera 13. This equipment 15 generates the physical signal of the sound in which the person who is going to cause trouble is likely to attract attention, light (in the case [Especially] of Nighttime), and others. This equipment 15 can also consist of a doll arranged free [migration] and a driving gear to which this doll is moved.

[0015] Furthermore, as for the location and metaphor that the bank clerk in the store of a bank works, the push-button switch 11 is formed in the inside of a counter 21, the desk (illustration abbreviation), and the terminal (illustration abbreviation). Two or more push-button switches 11 are arranged preferably. When an incident occurs, this push-button switch 11 is pushed by a bank clerk, the guard, etc. The push-button switch pushed on an emergency and this push-button switch 11 may be made to serve a double purpose.

[0016] With reference to drawing 2 , the switch signal from two or more push-button switches 11 is inputted into a control unit 12 through the OR gate 16.

[0017] The video signal or image data to which a recording apparatus 14 expresses the image photoed with the camera 13 including record media, such as a magnetic tape, semiconductor memory (for example, memory card), a magnetic disk, and an optical disk, is recorded on this record medium.

[0018] A camera 13, a recording device 14, and induction signal generation equipment 15 are controlled by the control unit 12. a control device 12 is continuous to a recording device 14 in the video signal or image data showing the image which the camera 13 usually photoed -- or -- being intermittent (with fixed period) -- it controls to record.

[0019] Moreover, when either of two or more push-button switches 11 is pushed and a switch signal inputs through the OR gate 16, a control unit 12 makes induction signal generation equipment 15 generate a sound, either of the light, or both.

[0020] Therefore, if a bank clerk pushes one of the push-button switches 11 when a certain incident occurs in the store of a bank, a sound or light will occur from induction signal generation equipment 15. Since the nerve is sensitive, the person who generated the incident will turn in the direction of a camera 13 which a sound or light generated, i.e., the direction.

[0021] Since the camera 13 is photoing the inside of the store of a bank, the person's face can be photoed from a transverse plane, and the video signal or image data which expresses the person's face with a recording apparatus 14 will be recorded.

h   c   g   cg b   eb cg e e

[0022] When the video signal or image data outputted to a recording apparatus 14 from a camera 13 a fixed period is recorded and a switch signal is inputted from a switch 11, may be made to shorten the photography period of a camera 13 with a control unit 12, a photograph is made to take continuously, and you may make it make the obtained video signal or image data record on a recording apparatus 14. It also becomes being able to obtain the generated detailed data of an incident by this.

[Translation done.]

h   c   g   cg b   eb cg e e

* NOTICES *

CLAIMS

[Claim(s)]
[Claim 1] The monitoring system had the induction signal-generation means are prepared in the contiguity location of the record means record the signal or the data showing the image photoed with the input means for ordering it the timing about photography with the camera and the above-mentioned camera which were adjusted and installed, and the above-mentioned camera, and an above-mentioned camera so that the inside of the space which should supervise photos, answer to the command given from an above-mentioned input means, and generate physical induction signals, such as a sound and light.

[Translation done.]

h   c   g   cg b   eb cg e e

```
                                US 96670257      A    19960620
JP 3133310      B2   20010205  JP 9098223       A    19900411  200110
```

Priority Applications (No Type Date): JP 9098225 A 19900411; JP 89293712 A
   19891110; JP 90105642 A 19900420; JP 9098226 A 19900411; JP 9098221 A
   19900411; JP 9093659 A 19900409; JP 9098222 A 19900411; JP 9098224 A
   19900411; JP 89149976 A 19890613; JP 90111210 A 19900426

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5148284	A		19	H04N-001/32	
AU 635685	B			G06F-003/12	Previous Publ. patent AU 9066542
AU 637158	B			G03G-021/00	Previous Publ. patent AU 9066548
AU 637291	B			G03G-015/16	Previous Publ. patent AU 9066545
AU 637292	B			G03G-015/20	Previous Publ. patent AU 9066546
AU 639396	B			G01F-023/20	Previous Publ. patent AU 9066538
GB 2238018	B			G03G-015/00	
GB 2239109	B		2	G05D-023/19	
GB 2238020	B		2	G03G-015/00	
GB 2238021	B		2	G03G-015/00	
GB 2238756	B		3	G03G-021/00	
GB 2238019	B			G03G-015/16	
DE 4035716	C2		15	B41J-011/42	
AU 649236	B			B41J-017/36	Previous Publ. patent AU 9066541
US 5565972	A		39	G03G-021/00	Cont of application US 90535477
					Cont of application US 90611836
					CIP of application US 91750281
					CIP of application US 92854007
					patent GB 2238018
					patent GB 2238020
					Cont of patent US 5063416
US 5649274	A		34	G03G-021/00	Cont of application US 90535477
					Cont of application US 90611836
					CIP of application US 91750281
					CIP of application US 92854007
					Cont of application US 92889146
					Cont of patent US 5063416
					Cont of patent US 5565972
JP 3133310	B2		5	G01D-005/36	Previous Publ. patent JP 3223623

...Abstract (Basic): The printing **operation** is controlled such that one
   of the data stores from which the data is read...
...Abstract (Equivalent): The **entered** length of the **individual** sheets
   is used by the exposure control to expose the photoconductive element
   for each new sheet and to control the **image** transfer from the
   photoconductive element to the recording web...

...The monitoring system has a sensor (62) **operated** by the container (60)
   such that a first signal is transmitted to a signal unit (not shown)
   when the container (60) is missing and a second signal when the
   receiver (60) is full. The sensor (62) comprises a cranked lever with
   arms (62a, 62b) which...

...A mask (62a) interrupts a light source/ **receiver** assembly (63) except
   in the extreme positions of the crank (62) corresponding to container
   (60...

...USE/ADVANTAGE - For vertically removable used toner container. Is of
   simple construction, is reliable in **operation** and economic to...
...Abstract (Equivalent): A storage vessel · **detecting** mechanism installed
   in a main apparatus, comprising:- a storage vessel detachably installed

06290944   **Image available**
AUTOMATIC VENDING MACHINE WITH PURCHASING **OPERATION** ACCELERATING FUNCTION

PUB. NO.:   11-232536 [JP 11232536 A]
PUBLISHED: August 27, 1999 (19990827)
INVENTOR(s): TSUKAMOTO KOJI
              IWAO HIROYUKI
APPLICANT(s): OMRON CORP
APPL. NO.:   10-048966 [JP 9848966]
FILED: February 13, 1998 (19980213)

AUTOMATIC VENDING MACHINE WITH PURCHASING **OPERATION** ACCELERATING FUNCTION

INVENTOR(s): TSUKAMOTO KOJI
              IWAO HIROYUKI

                      ABSTRACT
... on a frequently selling article which is frequency utilized by many
customers thereby shortening purchasing **operation** time per one customer
and facilitating purchasing operability.
SOLUTION: At the time of purchasing an...

... the customer are specified and light-displayed to allow the customer to
execute key selecting **operation** for select- **operate** a desired ticket
from among these. In this case, the purchasing **operation** accelerating
function of a frequently issued ticket is provided so that when these is a
...

... ticket among the plural light-displayed keys 14, the displaying
luminance of the purchase selecting **button** 14a of the frequently issued
ticket is improved so as to distinguish from the other...

... displaying luminance of the key 14a of the frequently issued ticket for
emphasizing, the purchasing **operating** time per one customer is reduced
and purchasing operability is facilitated to improve service.

COPYRIGHT...

02376279   **Image available**
NUCLEAR MEDICAL DIAGNOSTIC DEVICE

PUB. NO.:   62-293179 [JP 62293179 A]
PUBLISHED: December 19, 1987 (19871219)
INVENTOR(s): **IWAO HIROFUMI**
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
              (Japan)
APPL. NO.:   61-137479 [JP 86137479]
FILED: June 13, 1986 (19860613)
JOURNAL: Section: P, Section No. 710, Vol. 12, No. 185, Pg. 40, May
              31, 1988 (19880531)

INVENTOR(s):   **IWAO HIROFUMI**

ABSTRACT
...61c across an insulating layer 41b. Further, the collimator device 41 is
provided with a **switch** 91 which **operates** when contacting the detector
3. While the collimator device 41 is placed on the detector 3, the warning
circuit **operates** by the closure of the **switch** 91 and when the clamping
of the screw 61 enters the specific state, the conductive...

 37/3,K/3   **(Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014769619   **Image available**
WPI Acc No: 2002-590323/200263
XRPX Acc No: N02-468537
   **Image comparison apparatus attached to door compares at least one of the
   several acquired images of photograph object with previously memorized
   registration images when check start** button **is pressed**
Patent Assignee: OMRON CORP (OMRO); OMRON KK (OMRO); IWAO H (IWAO-I);
   MIICHI K (MIIC-I)
Inventor: **IWAO H ;   MIICHI K**
Number of Countries: 004 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020090116	A1	20020711	US 2001974898	A	20011012	200263	B
CN 1355502	A	20020626	CN 2001136527	A	20011015	200263	
GB 2371908	A	20020807	GB 200124571	A	20011012	200263	
JP 2002123824	A	20020426	JP 2000312920	A	20001013	200263	
GB 2371908	B	20030226	GB 200124571	A	20011012	200317	

Priority Applications (No Type Date): JP 2000312920 A 20001013
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020090116	A1		14	G06K-009/00	
CN 1355502	A			G06K-009/00	
GB 2371908	A			A61B-005/117	
JP 2002123824	A		8	G06T-001/00	
GB 2371908	B			A61B-005/117	

... **the several acquired images of photograph object with previously
   memorized registration images when check start** button **is pressed**
Inventor: **IWAO H ...**

... **MIICHI K**

Abstract (Basic):
...   during a period from the detection of the existence of the
   photograph object to a **press** of a check start **button** (18). A
   comparing unit compares at least one of the acquired image with the
   previously memorized registration images when the **button** for
   confirmation checking is pressed.
...   when a check poor image is produced at the time of check, hence
   the recheck **operation** is eliminated and the check processing is done
   efficiently and accurately in short time...
...Check start **button** (18...
...Title Terms: **BUTTON ;**

008890329   **Image available**
WPI Acc No: 1992-017598/199203
XRPX Acc No: N92-013358
  **Organ diagnostic apparatus for nuclear medicine - combines three
  different imaging processes in one appts. to administer radioactive
  medicine**
Patent Assignee: TOSHIBA KK (TOKE)
Inventor: **IWAO H**
Number of Countries: 002 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 465952	A	19920115	EP 91110725	A	19910628	199203	B
US 5206512	A	19930427	US 91723295	A	19910628	199318	
EP 465952	A3	19920624	EP 91110725	A	19910628	199333	
EP 465952	B1	19960410	EP 91110725	A	19910628	199619	

Priority Applications (No Type Date): JP 90173076 A 19900629
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 465952	A				
Designated States (Regional): FR					
US 5206512	A		12	G01T-001/164	
EP 465952	B1	E	14	G01T-001/164	
Designated States (Regional): FR					

Inventor: **IWAO H**

...Abstract (Equivalent): A diagnostic apparatus for nuclear medicine, in
    which a detection **operation** is performed from outside of a living
    body by a detecting portion constituted by at...

...least two (13B, 13C) of said three detecting pairs (13A, 13B, 13C) so as
    to **switch**. from the configuration, in which the three detecting
    surfaces, to another configuration, in which two...
...Abstract (Equivalent): The single photon emission CT apparatus has a
    detection **operation** performed from outside of a living body by a
    detecting portion constituted by at least...
?

39/3,K/1 (Item 1 from file: 347)

04752084   **Image available**
INSTALLATION DRAWING MANAGEMENT DEVICE

PUB. NO.:   07-044684 [JP 7044684 A]
PUBLISHED: February 14, 1995 (19950214)
INVENTOR(s):   NIISATO HIROYUKI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   05-186572 [JP 93186572]
FILED: July 29, 1993 (19930729)

...JAPIO CLASS: **Building**); 45.2 (INFORMATION PROCESSING

                         ABSTRACT
...CONSTITUTION: A   processor   8   **takes**   out   **picture**   preparation
information 5 of the drawing type specified by an installation drawing
database 1 corresponding...

... directed graphic is outputted to the directed position on the display
device. The processor 8 **accesses** the data base 1 for each installation of
an installation key 3 corresponding to the...

 39/3,K/2   (Item 1 from file: 350)

012486675   **Image available**
WPI Acc No: 1999-292783/199925
XRPX Acc No: N99-219365
  **Login system for computer system - has pattern matching decision unit
  that commands login process when concurrence and disparity of photography
  image from charge coupled device camera and image stored in database are
  in accord**
Patent Assignee: MEIDENSHA CORP (MEID)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11096120	A	19990409	JP 97259482	A	19970925	199925	B

Priority Applications (No Type Date): JP 97259482 A 19970925
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11096120	A		4	G06F-015/00	

...Abstract (Basic): stored in a database (5) are in accord. DETAILED
   DESCRIPTION - The charge coupled device camera **takes** the **photograph**
   of the **accessories** which a user can carry. The charge coupled device
   camera outputs the still picture image...

...ADVANTAGE - Performs a high level security control since the **accessory**
   of a user is utilized as a key login object. Enables **building** the
   login system without too much cost since only fundamental equipments
   are used. DESCRIPTION OF...
?

39/3,K/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

04752084   **Image available**
INSTALLATION DRAWING MANAGEMENT DEVICE

PUB. NO.:   07-044684 [JP 7044684 A]
PUBLISHED: February 14, 1995 (19950214)
INVENTOR(s):   NIISATO HIROYUKI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   05-186572 [JP 93186572]
FILED: July 29, 1993 (19930729)

...JAPIO CLASS: **Building**); 45.2 (INFORMATION PROCESSING

                        ABSTRACT
...CONSTITUTION: A   processor   8   **takes**   out   **picture**   preparation
information 5 of the drawing type specified by an installation drawing
database 1 corresponding...

... directed graphic is outputted to the directed position on the display
device. The processor 8 **accesses** the data base 1 for each installation of
an installation key 3 corresponding to the...

39/3,K/2   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012486675   **Image available**
WPI Acc No: 1999-292783/199925
XRPX Acc No: N99-219365
  **Login system for computer system – has pattern matching decision unit
  that commands login process when concurrence and disparity of photography
  image from charge coupled device camera and image stored in database are
  in accord**
Patent Assignee: MEIDENSHA CORP (MEID)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 11096120   A   19990409 JP 97259482   A   19970925 199925 B

Priority Applications (No Type Date): JP 97259482 A 19970925
Patent Details:
Patent No Kind Lan Pg Main IPC   Filing Notes
JP 11096120   A   4 G06F-015/00

...Abstract (Basic): stored in a database (5) are in accord. DETAILED
   DESCRIPTION - The charge coupled device camera **takes** the **photograph**
   of the **accessories** which a user can carry. The charge coupled device
   camera outputs the still picture image...

...ADVANTAGE - Performs a high level security control since the **accessory**
   of a user is utilized as a key login object. Enables **building** the
   login system without too much cost since only fundamental equipments
   are used. DESCRIPTION OF...
?

45/3,K/1   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014253724   **Image available**
WPI Acc No: 2002-074424/200210
XRPX Acc No: N02-054859
   Secrecy cover for matrix type key   pad **used in e.g. automatic** teller
    machines , **includes casement with medial cavity sized to fit into matrix**
    key   pad **and key orifices with** operating **mechanisms corresponding to**
   keys
Patent Assignee: WHITNEY G R (WHIT-I)
Inventor: WHITNEY G R
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 6320963   B1   20011120 US 99373642   A   19990813 200210 B

Priority Applications (No Type Date): US 99373642 A 19990813
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6320963   B1   11 H04M-001/00

   Secrecy cover for matrix type key   pad **used in e.g. automatic** teller
    machines , **includes casement with medial cavity sized to fit into matrix**
    key   pad **and key orifices with** operating **mechanisms corresponding to**
   keys

Abstract (Basic):
   ...   casement (11) with medial cavity (29) sized such that it fits
    into 3x3 matrix of **key**   pad (10). Three spacedly adjacent **operator**
    key orifices (30) movably extend from the cavity through the casement
    top **face . Operating** mechanisms (13) are contained in the cavity in
    space between each **key**   pad keys and key orifices allowing selective
    depression of one key in row or column.
   ...   For shielding matrix type pressure **operated** key pads used in
    automatic **teller   machines** (ATMs), touch tone telephones installed
    in public places for business transactions...

   ...The secrecy cover in a single **operational** sequence allows entry of up
    to three sequential numbers on a matrix of keys in...

   ... **Key   pad** (10...

   ... **Operating** mechanism (13
   ...Title Terms: **OPERATE ;**

 45/3,K/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012578340   **Image available**
WPI Acc No: 1999-384447/199932
XRPX Acc No: N99-287889
   Automatic teller   machine **(ATM) cassette security apparatus**
Patent Assignee: SILER B (SILE-I)
Inventor: SILER B
Number of Countries: 001 Number of Patents: 001
Patent Family:

```
Patent No      Kind   Date      Applicat No    Kind   Date      Week
US 5915802     A      19990629  US 97964248    A      19971104  199932  B
```

Priority Applications (No Type Date): US 97964248 A 19971104
Patent Details:
```
Patent No   Kind Lan Pg   Main IPC      Filing Notes
US 5915802      A      10  E05B-065/46
```

Automatic teller machine **(ATM) cassette security apparatus**

Abstract (Basic):
...   b) within interior (12) of ATM cabinet (10). The bracket
   includes security key lock (32) **operating** a **latch** (34) to engage
   keeper aperture (42) formed in flange plate (50) projecting
   orthogonally from **face** plate of lock bar (40), with upper hook (46)
   resting on front wall (44) of...
...   **latch** (34

 45/3,K/3   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009866805   **Image available**
WPI Acc No: 1994-146679/199418
XRPX Acc No: N94-115593
   Keypad **sub-assembly for automatic** teller machine **– includes moulded
   body with recesses for receiving keys and separated by compressible sheet
   from front plate, and membrane** switch **assembly fixed to rear surface**
Patent Assignee: DEWHURST PLC (DEWH-N)
Inventor: DEWHURST A
Number of Countries: 001 Number of Patents: 002
Patent Family:
```
Patent No      Kind   Date      Applicat No    Kind   Date      Week
GB 2272573     A      19940518  GB 9221733     A      19921016  199418  B
GB 2272573     B      19961113  GB 9221733     A      19921016  199649
```

Priority Applications (No Type Date): GB 9221733 A 19921016
Patent Details:
```
Patent No   Kind Lan Pg   Main IPC      Filing Notes
GB 2272573      A      31  H01H-013/70
GB 2272573      B       1  H01H-013/70
```

   Keypad **sub-assembly for automatic** teller machine – ...
...**with recesses for receiving keys and separated by compressible sheet
   from front plate, and membrane** switch **assembly fixed to rear surface**

...Abstract (Basic): member (30) which defines recesses (32) each receiving
   a respectively key (22) having a key **face** (6) and a stem (23). Each
   key (22) is biased to a rest position by...

...37) which clicks overcentre when the key (22) is depressed to provide
   feel to the **operator** . The spring (37) is held in each recess (32) by
   a key capture plate (38...

...material interposed between the front plate (4) and the body member
   (30), and a membrane **switch** assembly (58, 60) fixed to the rear
   surface of the sub-assembly. each key stem...

...ADVANTAGE – Sub-assembly can be formed into completed **keypad** assembly

by addition of appropriate switches and marked keys, thus eliminating
need of knowing final function of **keypad** assembly including required
inscriptions on keys, before starting manufacturing...
...Abstract (Equivalent): A sub-assembly for a **keypad** assembly as defined
herein, the sub-assembly comprising a front plate having a plurality of
...

...and a body member arranged to be connected to said front plate to form a
keypad body, wherein said **keypad** body has a rear surface which, in
the **keypad** assembly, is adjacent to the pressure operable **switch**
means thereof, wherein said **keypad** body comprises a plurality of
recesses each aligned with a respective aperture in the front...

...each said recess having a bore therein which opens into the rear surface
of said **keypad** body, and further comprising key engaging means
arranged in each said recess and arranged to engage and capture a
respective key inserted into said recess such that the key **face** is
arranged to be received in the corresponding aperture and the key stem
extends in...

...compressible material is interposed between said front plate and said
body member to seal said **keypad** body, said sealing sheet having a
plurality of holes therein through which the stems of...
...Title Terms: **SWITCH** ;

45/3,K/4   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

007021960
WPI Acc No: 1987-021957/198703
XRPX Acc No: N87-016614
  **Document, esp. currency, dispensing apparatus – has removable container
  and information-indicating** buttons **associated with container
  representing data concerning its contents**
Patent Assignee: DIEBOLD INC (DIEB-N); INTERBOLD TECHNOLOGIES INC (INTE-N);
  INTERBOLD (INTE-N)
Inventor: ALLISON T B; EASTMAN J M; GRAEF H T; NEWTON K H
Number of Countries: 013 Number of Patents: 028
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 8700154	A	19870115	WO 86US1201	A	19860528	198703	B
AU 8661203	A	19870130				198716	
EP 227793	A	19870708	EP 86904495	A	19860528	198727	
JP 62503165	W	19871217	JP 86503636	A	19860528	198805	
AU 8934826	A	19890907				198944	
US 4871085	A	19891003	US 86931010	A	19861117	198949	
EP 399570	A	19901128				199048	
CA 1276304	C	19901113				199051	
AU 9065688	A	19910131				199112	
EP 459529	A	19911204	EP 91111932	A	19860528	199149	
CA 1296100	C	19920218				199214	
US 5099423	A	19920324	US 89370216	A	19890622	199215	
US 5141127	A	19920825	US 85749960	A	19850627	199237	
			US 86931010	A	19861117		
			US 89370216	A	19890622		
			US 91734345	A	19910717		
AU 9332136	A	19930325	AU 9065688	A	19901031	199319	
			AU 9332136	A	19930129		

AU 635978	B	19930408	AU 9065688	A	19901031	199321
			AU 8934826	A	19890000	
EP 459529	A3	19920122	EP 91111932	A	19860528	199322
EP 399570	A3	19920520	EP 90112217	A	19860528	199331
EP 600848	A2	19940608	EP 91111932	A	19860528	199422
			EP 94100165	A	19860528	
EP 600848	A3	19940817	EP 94100165	A	19860528	199530
EP 227793	B1	19951004	EP 86904495	A	19860528	199544
			WO 86US1201	A	19860528	
EP 399570	B1	19951018	EP 90112217	A	19860528	199546
EP 459529	B1	19951018	EP 91111932	A	19860528	199546
DE 3650412	G	19951109	DE 3650412	A	19860528	199550
			EP 86904495	A	19860528	
			WO 86US1201	A	19860528	
DE 3650424	G	19951123	DE 3650424	A	19860528	199601
			EP 90112217	A	19860528	
DE 3650425	G	19951123	DE 3650425	A	19860528	199601
			EP 91111932	A	19860528	
AU 665390	B	19960104	AU 9065688	A	19901031	199608
			AU 9332136	A	19930129	
EP 600848	B1	19970122	EP 91111932	A	19860528	199709
			EP 94100165	A	19860528	
DE 3650595	G	19970306	DE 3650595	A	19860528	199715
			EP 94100165	A	19860528	

Priority Applications (No Type Date): US 85749960 A 19850627; US 89370216 A
19890622; US 91734345 A 19910717
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8700154	A	E	51		
EP 227793	A	E			
US 4871085	A		19		
US 5099423	A		19		Div ex patent US 4871085
US 5141127	A		20	B65H-003/00	Cont of application US 85749960
					Div ex application US 86931010
					Div ex application US 89370216
					Div ex patent US 4871085
					Div ex patent US 5099423
AU 9332136	A			G06K-011/00	Div ex application AU 9065688
AU 635978	B			G06F-015/21	Div ex application AU 8934826
					Previous Publ. patent AU 9065688
EP 600848	A2	E	16	B65H-001/08	Related to application EP 91111932
EP 600848	A3				Related to patent EP 459529
EP 227793	B1	E	23	B65H-001/08	Based on patent WO 8700154
EP 399570	B1	E	20	B65H-001/08	
EP 459529	B1	E	18	B65H-001/08	
DE 3650412	G			B65H-001/08	Based on patent EP 227793
					Based on patent WO 8700154
DE 3650424	G			B65H-001/08	Based on patent EP 399570
DE 3650425	G			B65H-001/08	Based on patent EP 459529
AU 665390	B			G06K-011/00	Div ex application AU 9065688
					Previous Publ. patent AU 9332136
EP 600848	B1	E	17	B65H-001/08	Div ex application EP 91111932

Designated States (Regional): BE CH DE FR GB IT LI NL SE

| DE 3650595 | G | | | B65H-001/08 | Based on patent EP 600848 |

... **has removable container and information-indicating** buttons
associated with container representing data concerning its contents

...Abstract (Basic): currency notes (30) or other documents such as
traveller's cheques to be dispensed. The **buttons** (25) are of

characteristics; characterised...
...that the said information indicating means comprises a plurality of
   holes (26) adapted to receive **buttons** (25) therein and spring-loaded
   buttons (25) therein and spring-loaded **buttons** (25) selectively
   slidably mounted in said holes (26), in that said first condition is
   the presence and said second condition is the absence of a **button**
   extending from a hole, in that the sensing means comprise actuators
   (128) associated with electrical switches (30), each actuator (128)
   being, in an **operating** position, in alignment with a respective hole
   (6) so as to contact the spring-loaded **buttons** (25) extending
   therefrom when present, and in that the arrangement of the **buttons**
   (25) in the holes (26) is changeable according to different
   characteristics of said documents
...Abstract (Equivalent): A canister (10) holds a stack of documents (30)
   and has a **face** plate (24). The **face** plate (24) includes
   buttonholes (26). Spring loaded **buttons** (25) are distributed among
   buttonholes (26), the **buttons** (25) are distributed among
   buttonholes (26), the arrangement of the **buttons** representing items
   of data such as ownership of the canister, canister serial number, and
   document...

...in the ATM, the canister exchanges identifying information with the ATM
   via the arrangement of **buttons** . A computer, which controls the
   operation of the ATM, uses this information to do such things as
   adjust the **operation** of the ATM to conform to the type, denomination
   and character of the documents in...

...content of document canisters such as those used to hold supplies of
   documents in Automatic **Teller** **Machines** (ATMs). (19pp...

...content of document canisters such as those used to hold supplies of
   documents in Automated **Teller** **Machines** (ATMs). includes a canister
   (10) holding a stack of documents (30) and having a **face** plate (24).
   Face plate (24) includes **buttonholes** (26). Spring loaded **buttons**
   (25) are distributed among **buttonholes** (26); the arrangement of the
   buttons representing items of data such as ownership of the canister,
   canister serial number, and document...

...such as the type, denomination, amount, and character of the documents
   in the canister. In **operating** position, canister (10) is located in
   at ATM in contact with the picker mechanism which...

...The picker mechanism incorporates a **switch** plate which is adjacent to
   face plate (24) when canister (10) and picker mechanism are in
   operating position. **Switch** plate incorporates a plurality of **switch**
    actuators, the locations of which correspond to the locations of
   buttonholes (26). Each **switch** actuator is associated with an
   electrical **switch** which changes its electrical condition whenever its
   associated **switch** actuator is depressed. Electrical switches are
   connected to a computer which controls the **operation** of the ATM, as
   well as stores and processes data relating to ATM **operation** . The
   computer is programmed to associate the arrangement of **buttons** with
   the items of data represented by the arrangement. (19pp)c
...Title Terms: **BUTTON** ;

 45/3,K/5   (Item 5 from file: 350)

004652542
WPI Acc No: 1986-155885/198624
XRPX Acc No: N86-115846
  Printing individual identification on depository envelopes - has
  transport mechanism with detector determining envelope contour and unit
  detecting envelope is beneath print head
Patent Assignee: DIEBOLD INC (DIEB-N)
Inventor: HILL J A; MODI A L; NEWTON K H; YOHN R L
Number of Countries: 013   Number of Patents: 009
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 8603289	A	19860605	WO 85US2236	A	19851114	198624	B
US 4597330	A	19860701	US 84675670	A	19841128	198629	
AU 8550603	A	19860618				198635	
EP 207950	A	19870114	EP 85905730	A	19851114	198702	
JP 62501492	W	19870618	JP 85505065	A	19851114	198730	
CA 1251687	A	19890328				198917	
EP 207950	B	19920325	EP 85905730	A	19851114	199213	
DE 3585739	G	19920430				199219	
EP 207950	A4	19890201	EP 85905730	A	19851114	199348	

Priority Applications (No Type Date): US 84675670 A 19841128
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 8603289   A E 51
   Designated States (National): AU JP
   Designated States (Regional): BE CH DE FR GB IT NL SE
EP 207950   A E
   Designated States (Regional): BE CH DE FR GB IT LI NL SE
EP 207950   B   30
   Designated States (Regional): BE CH DE FR GB IT LI NL SE

...Abstract (Basic): between the floating platen (28) and the fixed
   conveyor (26) until it engages the probe **face** (129) **operating** a
   slotted optical **switch** (136) which prevents attempted printing on an
   unsatisfactory contour...

...portion of the envelop (142) is beneath the print head (120). The print
   head then **operates** to print identification information on the
   envelope as it passes under the **face** (126...

...USE/ADVANTAGE - Automatic **Teller** **machine** . Where printing is
   determined to be impractical at normal location due to contour of
   contents...
...Abstract (Equivalent): on a carriage plate (110) are provided. The plate
   is floatably mounted inside an automatic **teller** **machine** (**ATM**) so
   that the shoe tracks a depository envelope surface which is to accept
   printing as...

...surface a distance in advance of the shoe. The probe is connected to an
   electrical **switch** which interrupts **operation** of the head whenever
   the contour of the envelope between the areas tracked by the...
?

01490973   **Image available**
 DETECTION FOR BAR-SHAPED OBJECT

PUB. NO.:   59-202573 [JP 59202573 A]
PUBLISHED: November 16, 1984 (19841116)
INVENTOR(s):   WATANABE YUJI
               KONDO TOSHIAKI
APPLICANT(s): KOMATSU LTD [000123] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   58-078792 [JP 8378792]
FILED: May 04, 1983 (19830504)
JOURNAL: Section: P, Section No. 345, Vol. 09, No. 72, Pg. 3, April
               02, 1985 (19850402)

 DETECTION FOR BAR-SHAPED OBJECT

INTL CLASS: **G06K-009/00**

ABSTRACT

PURPOSE: To **detect** surely bar-shaped objects, which are scattered in all
directions, independently of the illumination state of them by scanning
bar-shaped objects in four directions **individually** and using an optimum
standard pattern in each scanning direction...

...CONSTITUTION: The input **picture** where **plural** bar-shaped objects are
scattered is projected onto a monitor 2, and brightness patterns in...

...direction at 45 deg. to the right on the picture on the basis of the
 moving direction of a cursor 2a are taken out by a brightness pattern
taking-out circuit...

... inputted to a standard pattern generating circuit, and a standard
pattern is generated and is **stored** in a **storage** area **corresponding** to
the scanning direction in a standard pattern memory 9. The picture where
bar-shaped objects are scattered are scanned in four directions
 individually , and bar- shaped objects are **detected** on the basis of
 comparison between the brightness pattern, which is taken out in every
scanning, and the standard pattern.

012422720   **Image available**
WPI Acc No: 1999-228828/199919
XRPX Acc No: N99-169321
  **Computer based multiple digital shape objects combining method for use
  during digital image processing of bank checks, documents, business
  correspondence**
Patent Assignee: NCR CORP (NATC)
Inventor: BANTUM M G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5887081	A	19990323	US 95568900	A	19951207	199919	B

Priority Applications (No Type Date): US 95568900 A 19951207
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 5887081   A   13 G06K-009/78
... shape objects combining method for use during digital image processing
  of bank checks, documents, business correspondence

Abstract (Basic):
...   The movement of pixels within the boundary formed around the
   digital objects is allowed during examination of...
...   objects. When two pixels are within boundary, adjacent to
   examined pixel than that pixel, is detected . The examination of each
   pixel contained within the boundary, is carried out repeatedly until
   location...

...For identification or classification of stored database, non-alpha
   numeric data i.e., digitized representation of sound, pictures,
   documents etc., during digital image processing of bank checks,
   documents, business correspondence , employment records including
   employee pictures, medical information including diagnostic images
   such as X-rays, pictures and blueprints of building...

...Simplifies storage , recognition classification and retrieval of
   digital images by combining multiple image shapes properly.
   Facilitates to generate shape matching templates for identification
   or classification of stored database etc., thereby provides low
   level, heuristic support for database applications requiring fast image
   identification...
...Title Terms: CORRESPOND
International Patent Class (Main): G06K-009/78

 50/3,K/3   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

007109837
WPI Acc No: 1987-109834/198716
XRPX Acc No: N87-082668
  Multicolour electrostatic printer or plotting appts. - has repeated
  charge application and toner processing controlled by alignment track
Patent Assignee: CALCOMP INC (CALC-N); SANDERS ASSOC INC (SAND)
Inventor: HICKS A B; JOHNSON J L; MORRIS C H
Number of Countries: 006 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 3635125	A	19870416	DE 3635125	A	19861015	198716	B
GB 2181697	A	19870429	GB 8624664	A	19861015	198717	
AU 8663929	A	19870430				198723	
FR 2590377	A	19870522				198727	
US 4731622	A	19880315	US 85787874	A	19851016	198814	
DE 3635125	C	19900405				199014	
GB 2181697	B	19900704				199027	
CA 1283441	C	19910423				199121	

Priority Applications (No Type Date): US 85787874 A 19851016
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
DE 3635125   A   5